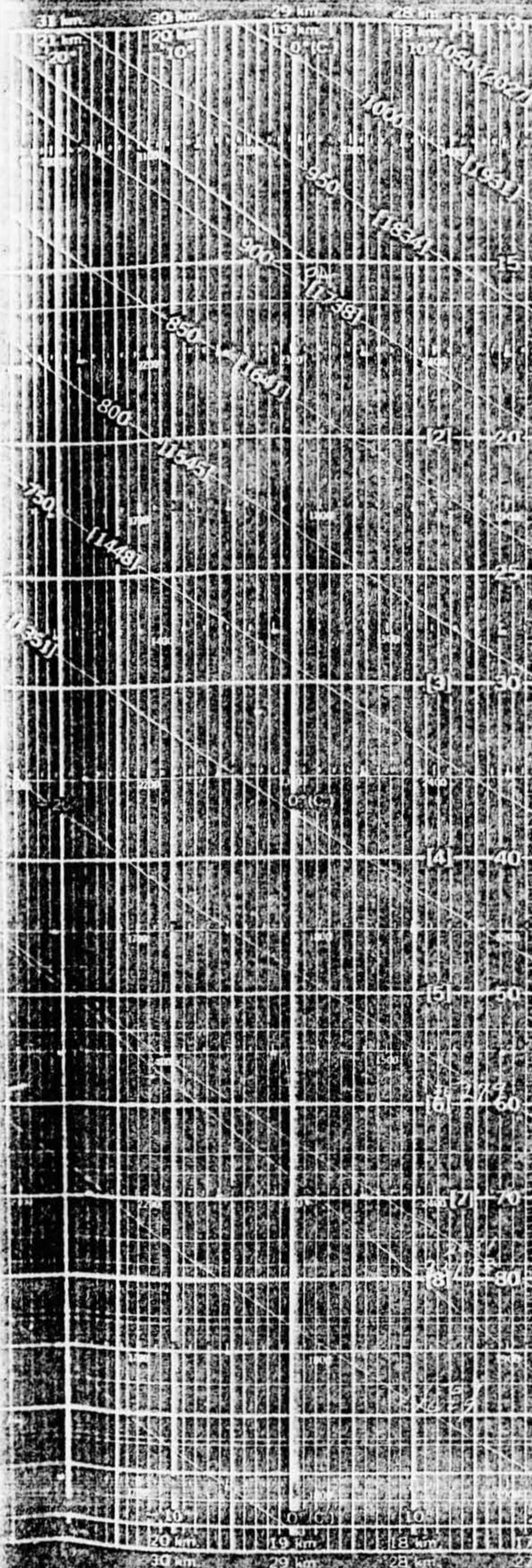


• • • • •

a Sun Dog was the most probably cause.

ATIC FORM 329 (REV 26 SEP 52)



U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OFFICE OF NAUTICAL CHARTS
WASHINGTON, D.C. 20540

[illegible]

REMARKS:

Figure 10 consists of nine micrographs arranged in a 3x3 grid. The columns are labeled '100 MPa', '150 MPa', and '200 MPa' from left to right. The rows are labeled '100 MPa', '150 MPa', and '200 MPa' from top to bottom. The micrographs show the effect of pressure on the morphology of polypropylene. The top row (100 MPa) shows a relatively smooth surface. The middle row (150 MPa) shows a more textured surface with some small features. The bottom row (200 MPa) shows a highly textured, fibrous structure. The overall trend is that as pressure increases, the surface morphology becomes more complex and fibrous.

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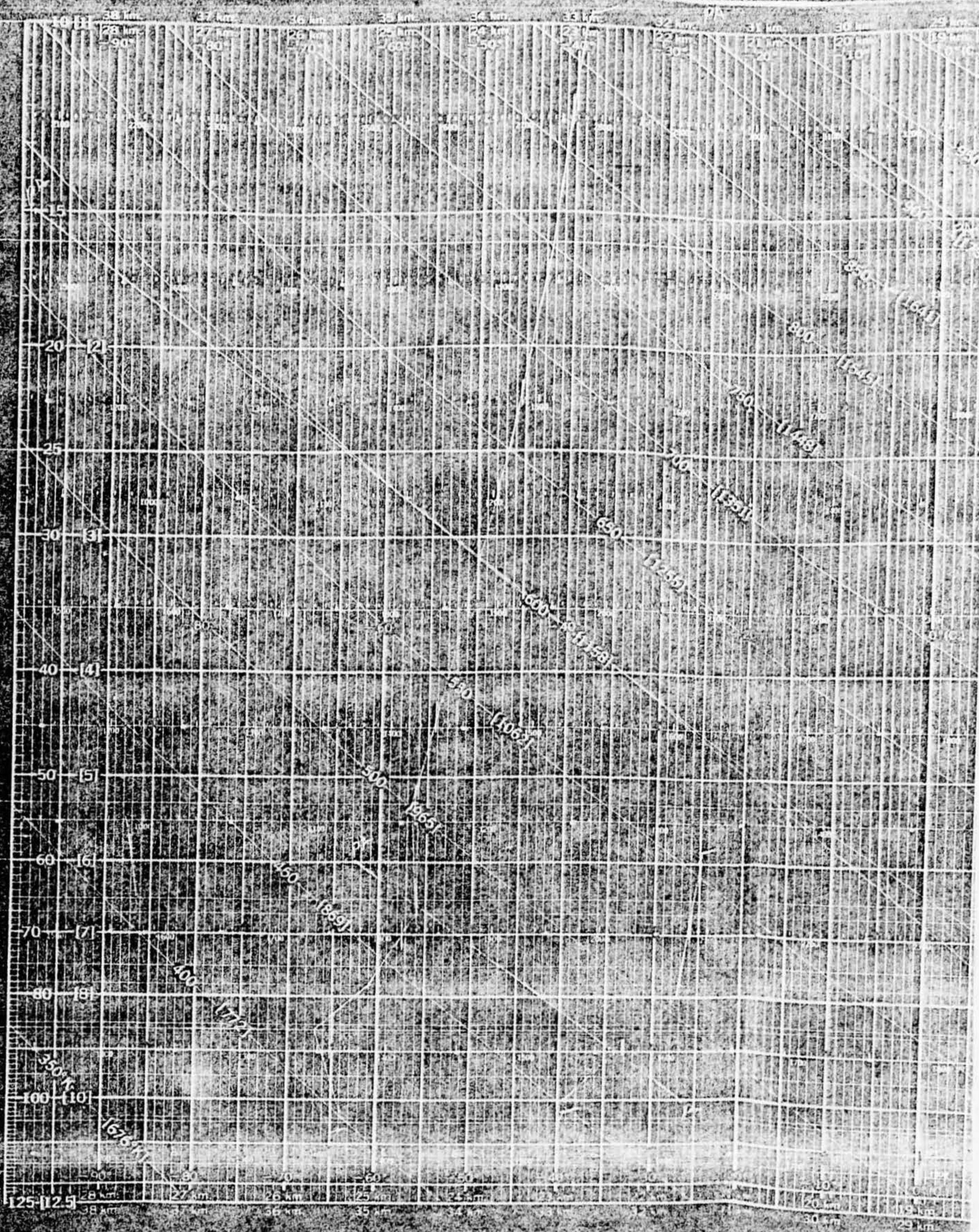
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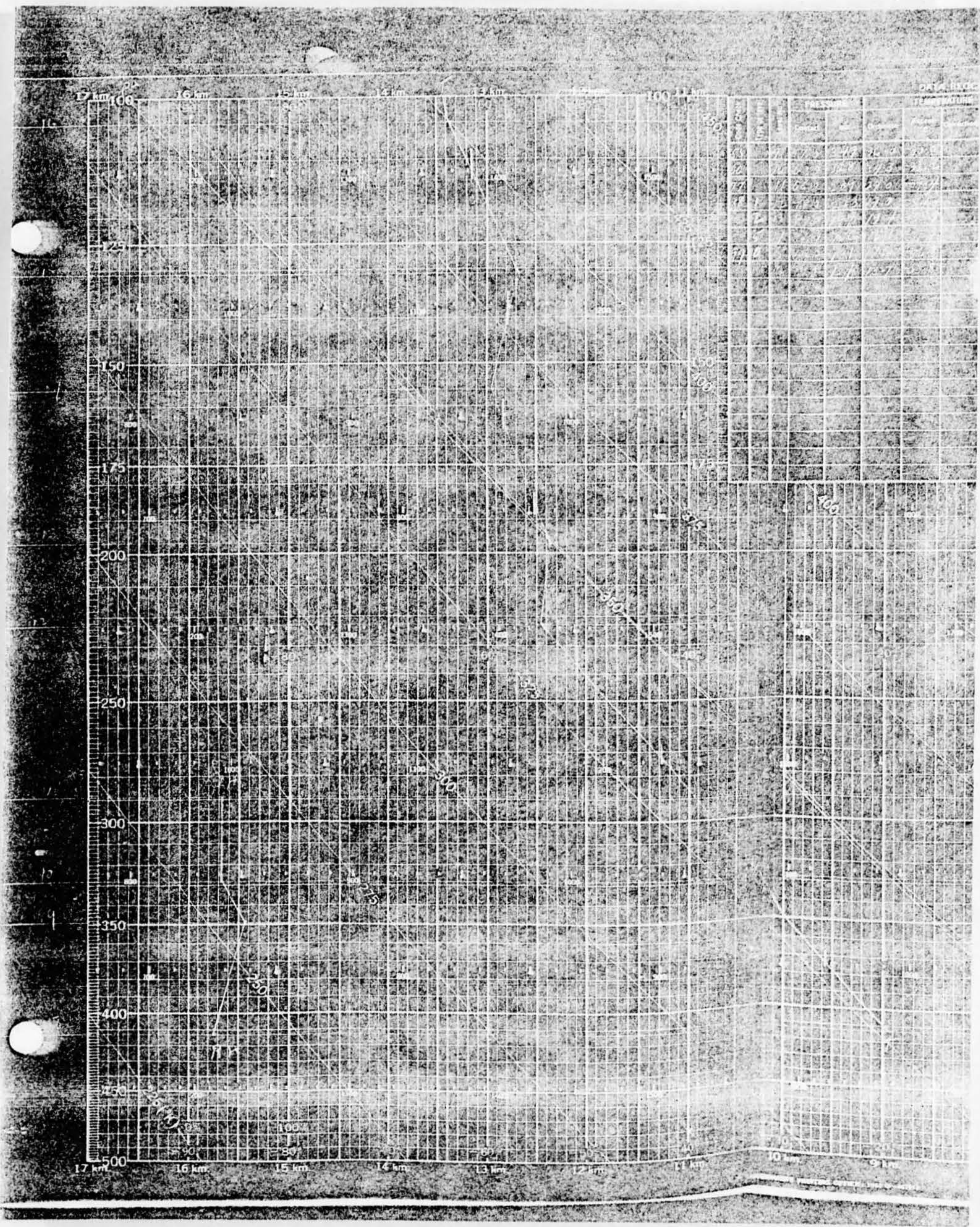
199. PRINT DATE _____

200. PRINT SIGNATURE _____

DATE AND RELEASE TIME				
1952	APR	5		
1952	APR	8		

[The page contains faint, illegible markings and bleed-through from the reverse side.]





ADJACENT CHART

ADJACENT CHART

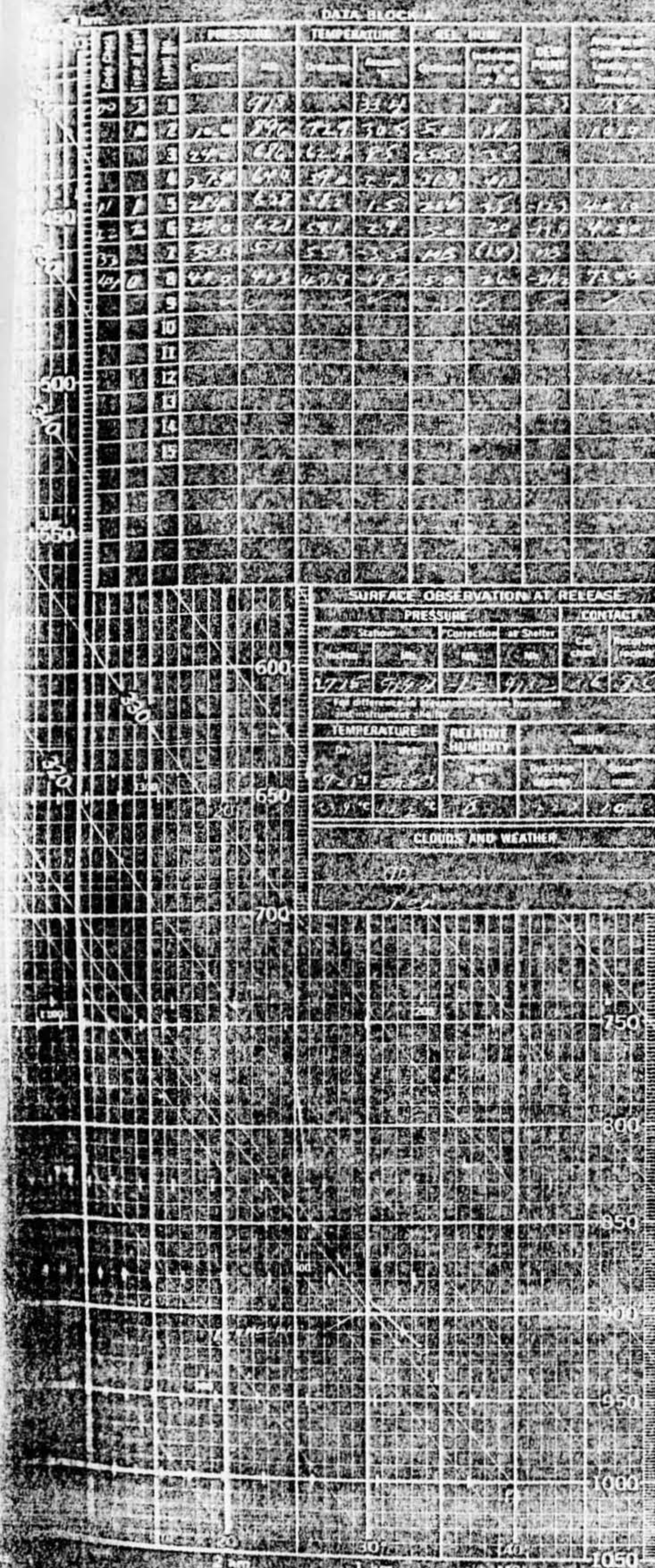
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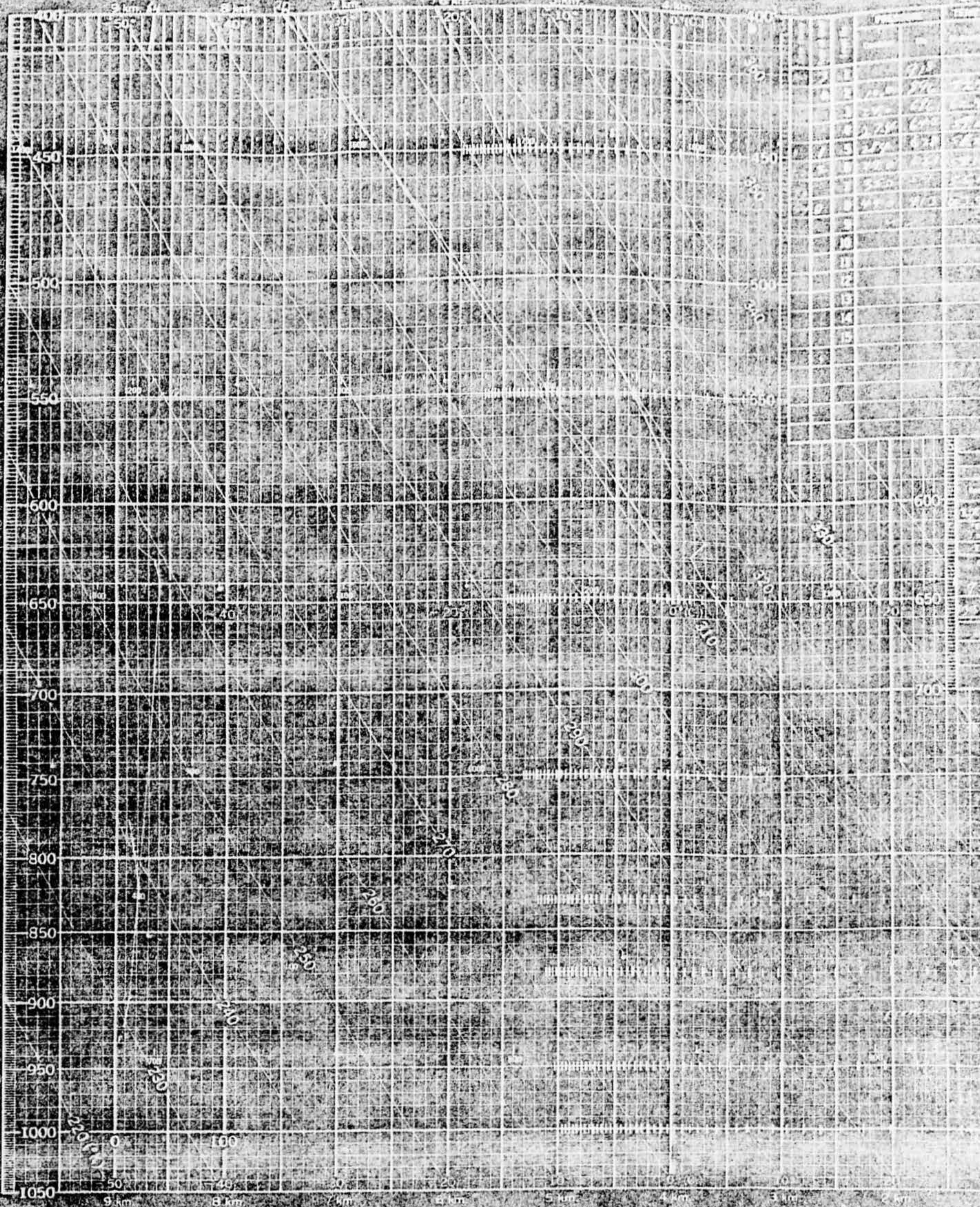
[illegible][illegible]

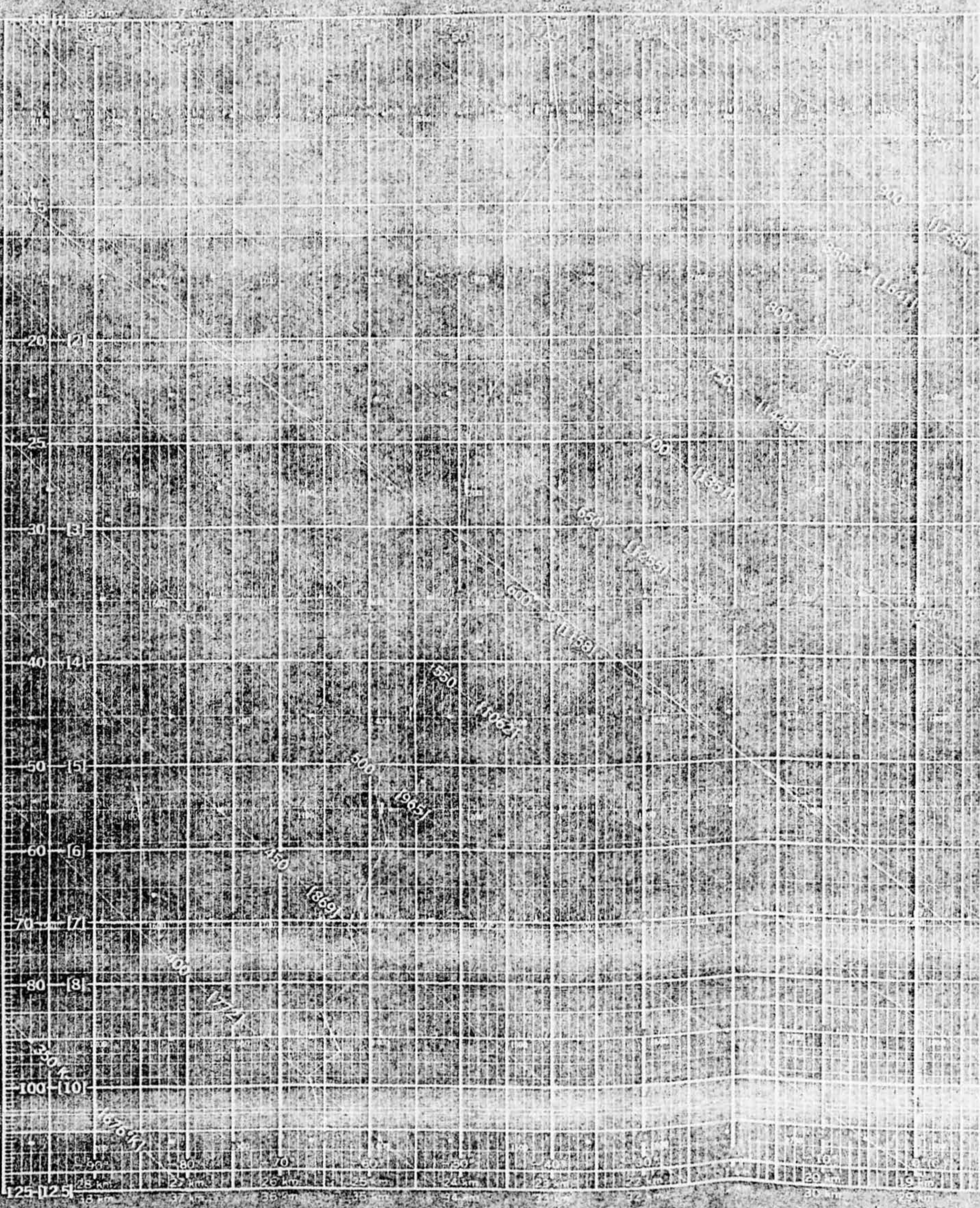
A black and white photograph of a textured surface, possibly a wall or a piece of fabric, showing a rough, mottled appearance with various shades of gray and white. The texture is irregular and grainy, with some darker patches and lighter areas. There are no distinct shapes or figures visible.

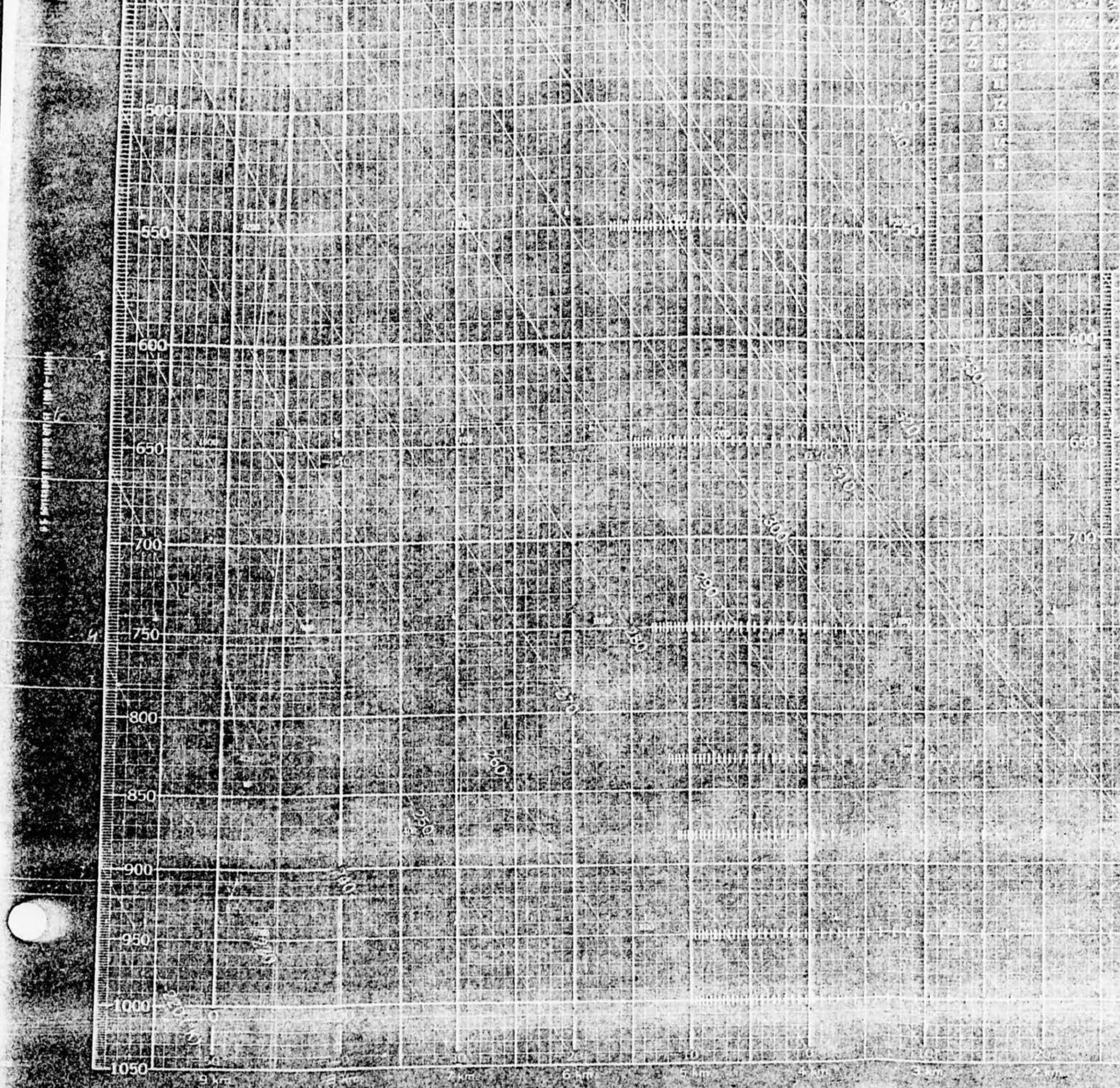
[illegible]

1990











U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
ADIABATIC CHART

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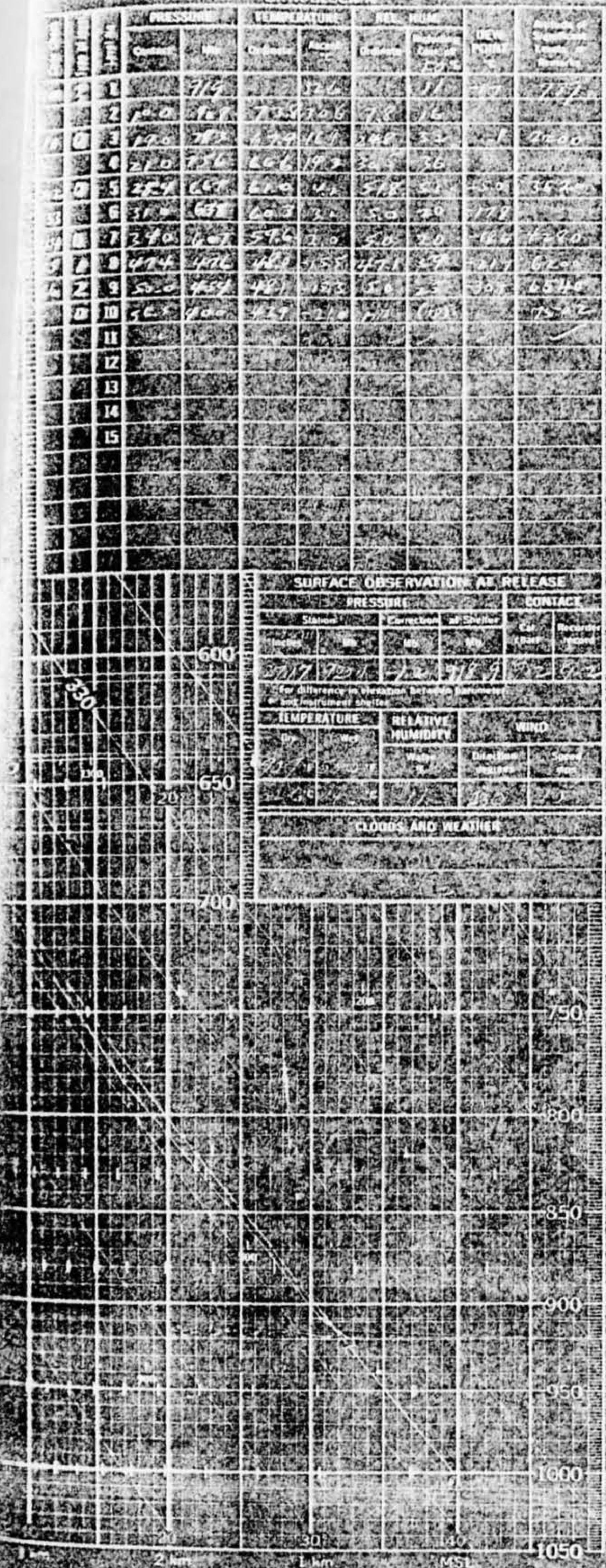
[illegible]

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LEGEND FOR PLOTTED CURVES

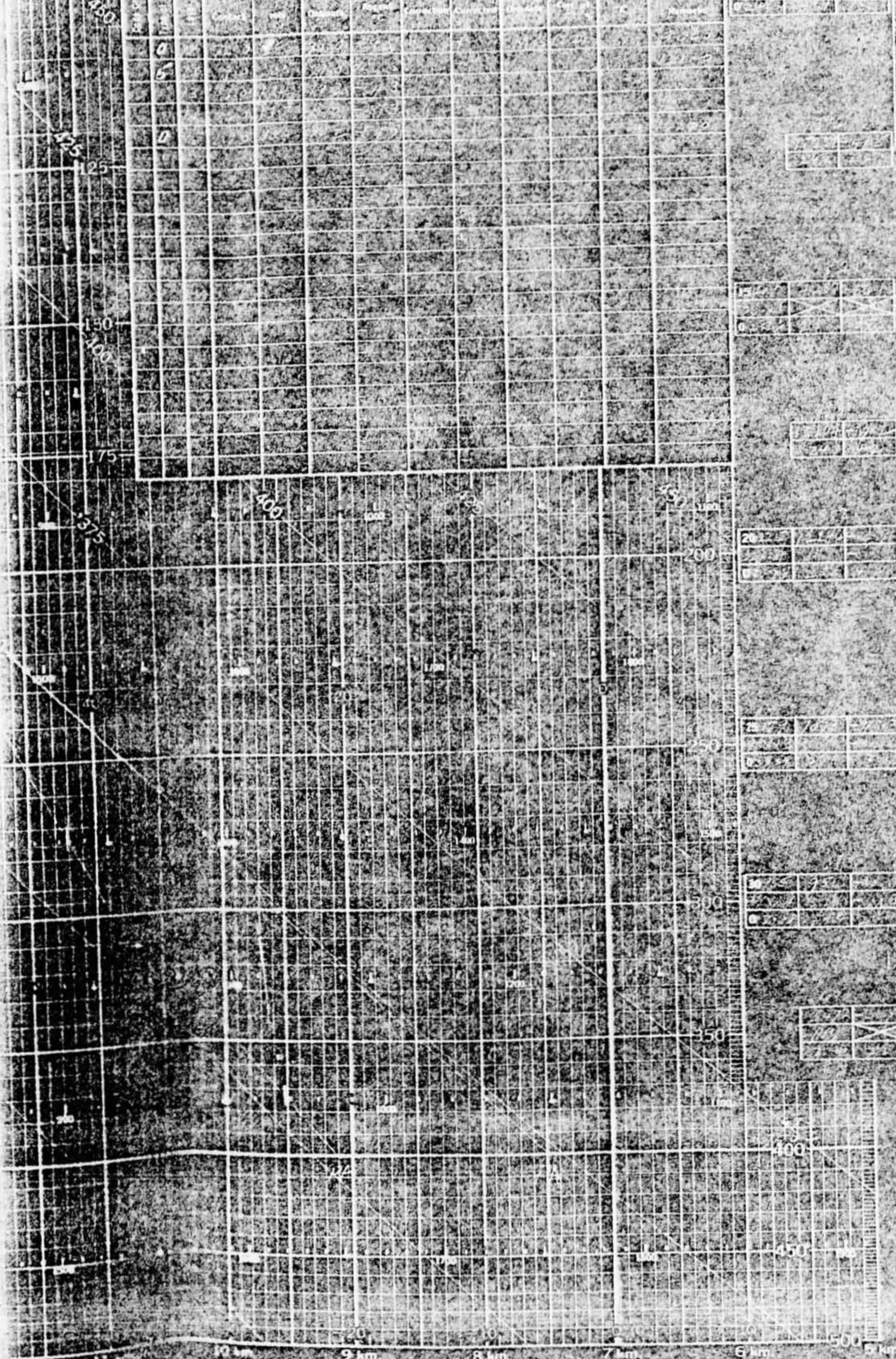
—	Experimental Data
- - -	Calculated Data

DATE AND RELEASE TIME			
1966	0101	4	
1967	0101	4	



This case includes eighteen (18) 14" x 10" photocopied charts

ADIABATIC CHART



ADDITIONAL DATA

DATE	TIME	LOCATION

CODED MESSAGE FOR TRANSMISSION

1	2	3	4	5	6	7	8	9	0

LEGEND FOR CONSTANT PRESSURE & TEMPERATURE

TEMPERATURE	PRESSURE
100°C	100 hPa
125°C	125 hPa
150°C	150 hPa
175°C	175 hPa
200°C	200 hPa

LEGEND FOR PLOTTED CURVE

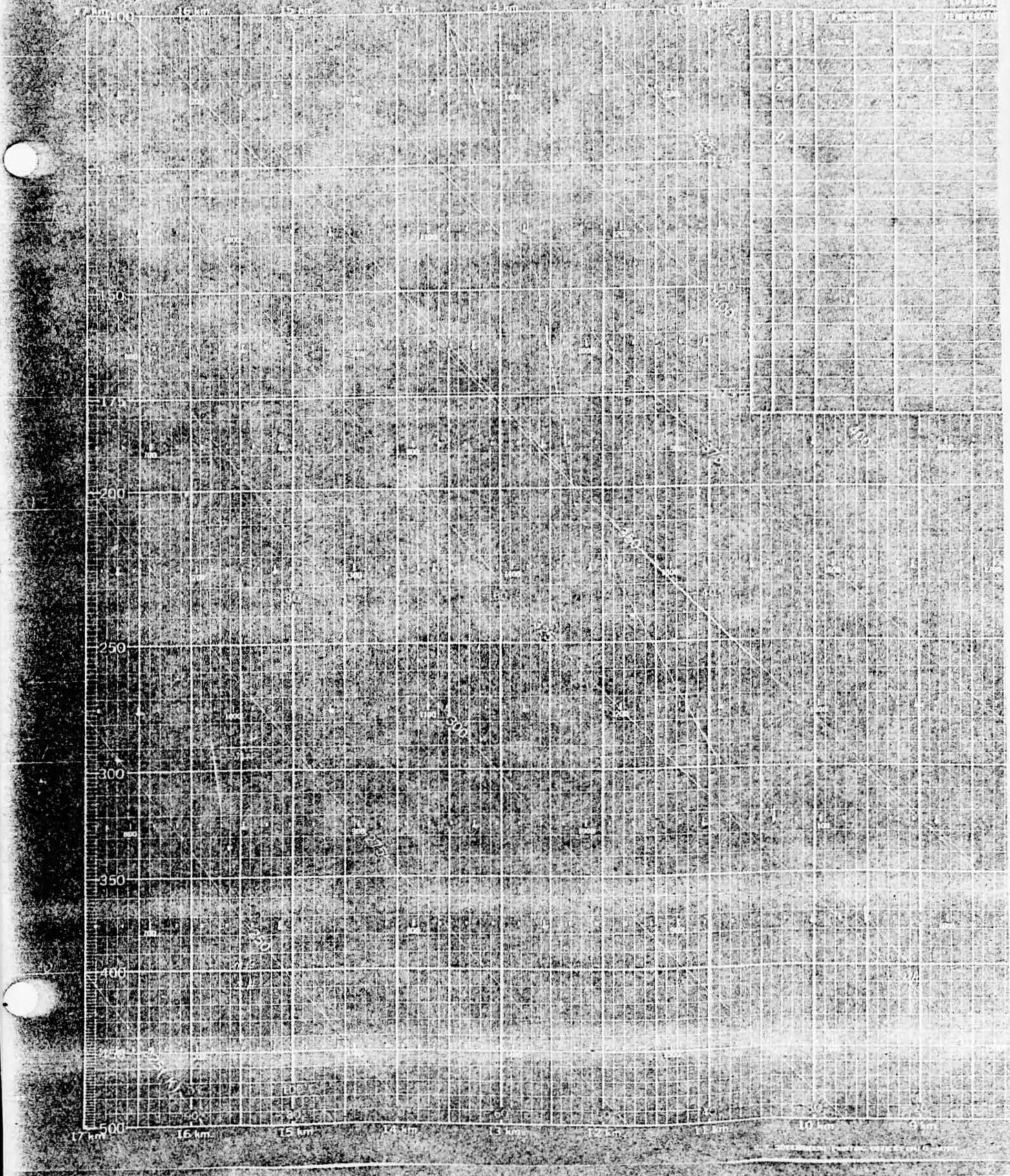
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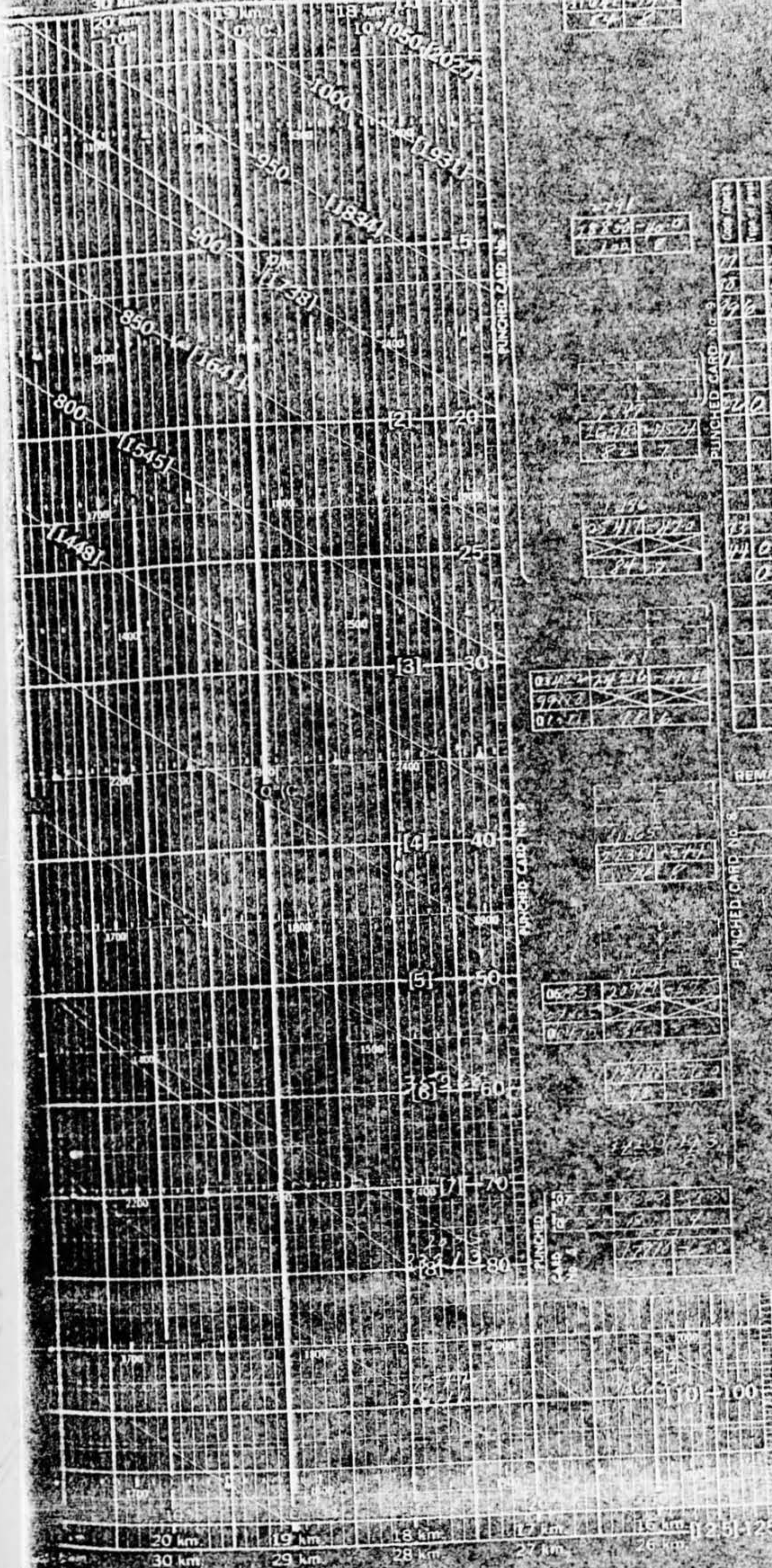
DATE AND RELEASE TIME

DATE	TIME
1964 JUN 4	1500

WINDSPEED REPORT

WINDSPEED	1000
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DATE		TIME		TEMPERATURE		WIND		WEATHER	
Hour	Min	Temp	Wind	Temp	Wind	Temp	Wind	Temp	Wind
1	15	10.2	12	10.2	10				
2	15	11.0	12	11.2	10				
3	15	11.3	13	11.5	10				
4	15	11.5	12	12.0	10				
5	15	12.0	14	12.2	10				
6	15	12.5	15	12.8	10				
7	15	13.0	16	13.2	10				
8	15	13.5	17	13.8	10				
9	15	14.0	18	14.2	10				
10	15	14.5	19	14.8	10				
11	15	15.0	20	15.2	10				
12	15	15.5	21	15.8	10				
13	15	16.0	22	16.2	10				
14	15	16.5	23	16.8	10				
15	15	17.0	24	17.2	10				
16	15	17.5	25	17.8	10				
17	15	18.0	26	18.2	10				
18	15	18.5	27	18.8	10				
19	15	19.0	28	19.2	10				
20	15	19.5	29	19.8	10				
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22	15	20.5	31	20.8	10				
23	15	21.0	32	21.2	10				
24	15	21.5	33	21.8	10				
25	15	22.0	34	22.2	10				
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27	15	23.0	36	23.2	10				
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29	15	24.0	38	24.2	10				
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33	15	26.0	42	26.2	10				
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36	15	27.5	45	27.8	10				
37	15	28.0	46	28.2	10				
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58	15	38.5	67	38.8	10				
59	15	39.0	68	39.2	10				

REMARKS

LEGEND FOR CONSTANT PRESSURE BLOCKS	
INITIAL TRANSMITTED	INITIAL ENTERING JAWING BEGINS
00 mm/sec	
17-31	
None	

LEGEND FOR PLOTTED CURVE

[Faint, illegible handwritten notes]

22-10-1954

Figure 1

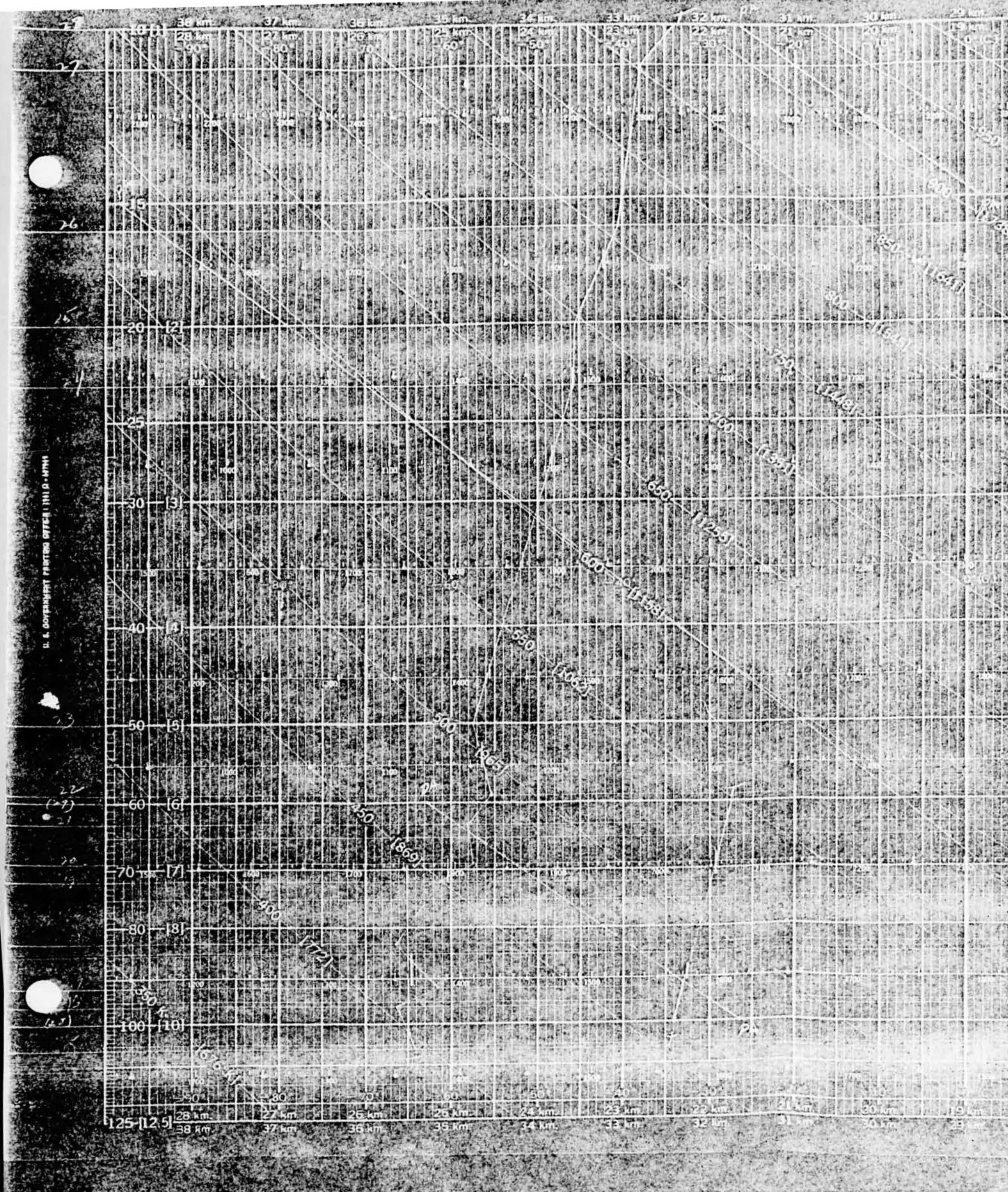
[Faint, illegible handwritten notes]

DATE AND RELEASE TIME

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1940-1941



ADIABATIC CHART

BASELINE CHECK READINGS

Time	Pressure	Temperature	Relative Humidity
1000	1010	70	70
1100	1010	70	70
1200	1010	70	70
1300	1010	70	70
1400	1010	70	70
1500	1010	70	70
1600	1010	70	70
1700	1010	70	70
1800	1010	70	70
1900	1010	70	70
2000	1010	70	70
2100	1010	70	70
2200	1010	70	70
2300	1010	70	70
2400	1010	70	70

CODED MESSAGE FOR TRANSMISSION

1000	1010	70	70
1100	1010	70	70
1200	1010	70	70
1300	1010	70	70
1400	1010	70	70
1500	1010	70	70
1600	1010	70	70
1700	1010	70	70
1800	1010	70	70
1900	1010	70	70
2000	1010	70	70
2100	1010	70	70
2200	1010	70	70
2300	1010	70	70
2400	1010	70	70

REMARKS

1000	1010	70	70
1100	1010	70	70
1200	1010	70	70
1300	1010	70	70
1400	1010	70	70
1500	1010	70	70
1600	1010	70	70
1700	1010	70	70
1800	1010	70	70
1900	1010	70	70
2000	1010	70	70
2100	1010	70	70
2200	1010	70	70
2300	1010	70	70
2400	1010	70	70

LEGEND FOR CONSTANT PRESSURE BLOCK

DATA AS TRANSMITTED	DATA AS ENTERED ON CHART
1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

LEGEND FOR PLOTTED CURVES

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

DATE AND RELEASE TIME

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

SURFACE OBSERVATION AT RELEASE

PRESSURE		CONTACT	
Station	Corrected	Altitude	Pressure
1000	1010	1000	1010

For difference in elevation between barometer and instrument shelter

TEMPERATURE		RELATIVE HUMIDITY		WIND	
Obs	Red	Water	Air	Direction	Speed
1000	1010	1000	1010	1000	1010

CLOUDS AND WEATHER

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
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2400	1010

1000	1010
1100	1010
1200	1010
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1400	1010
1500	1010
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2400	1010

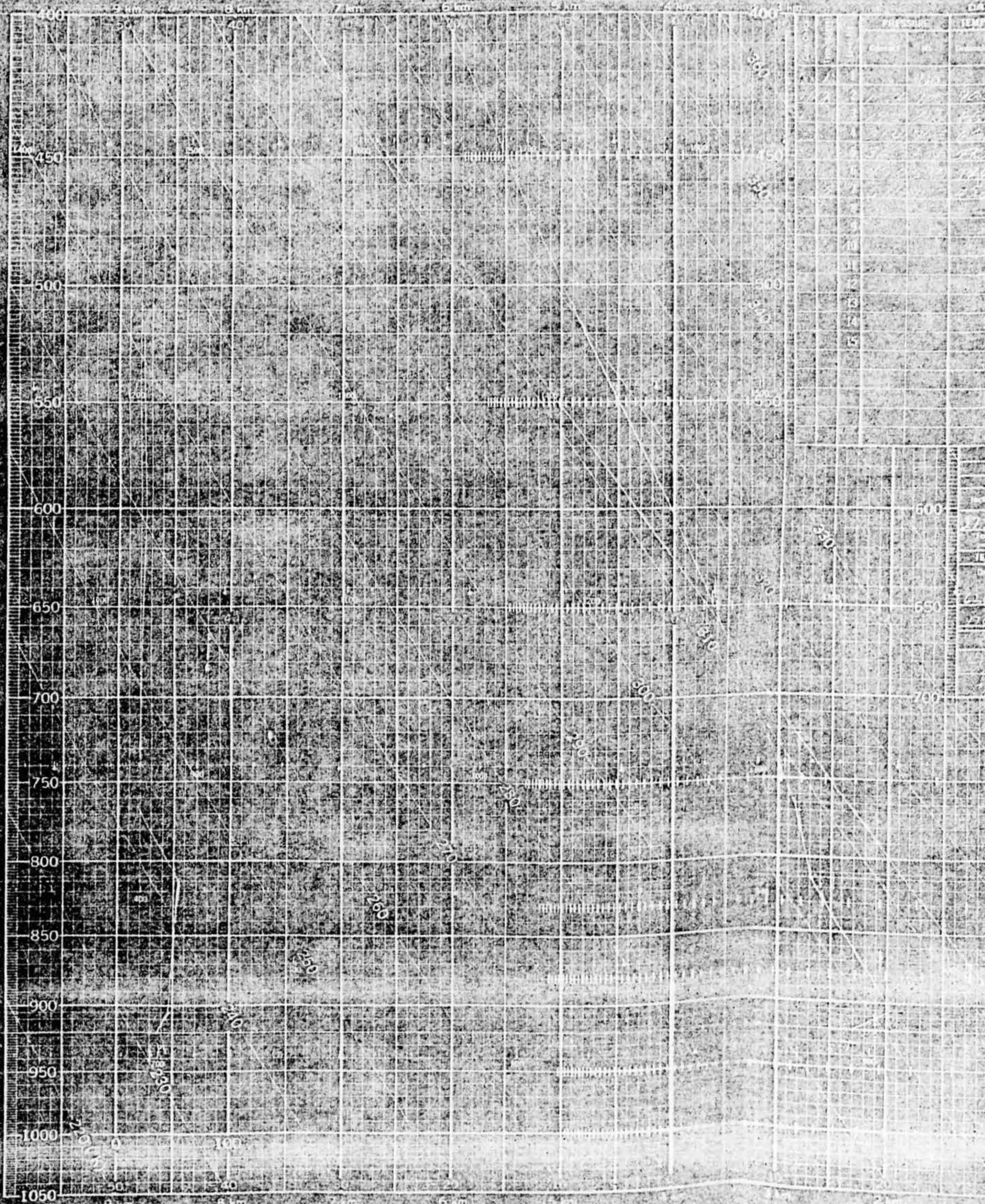
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1100	1010
1200	1010
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1500	1010
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2000	1010
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2200	1010
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2400	1010

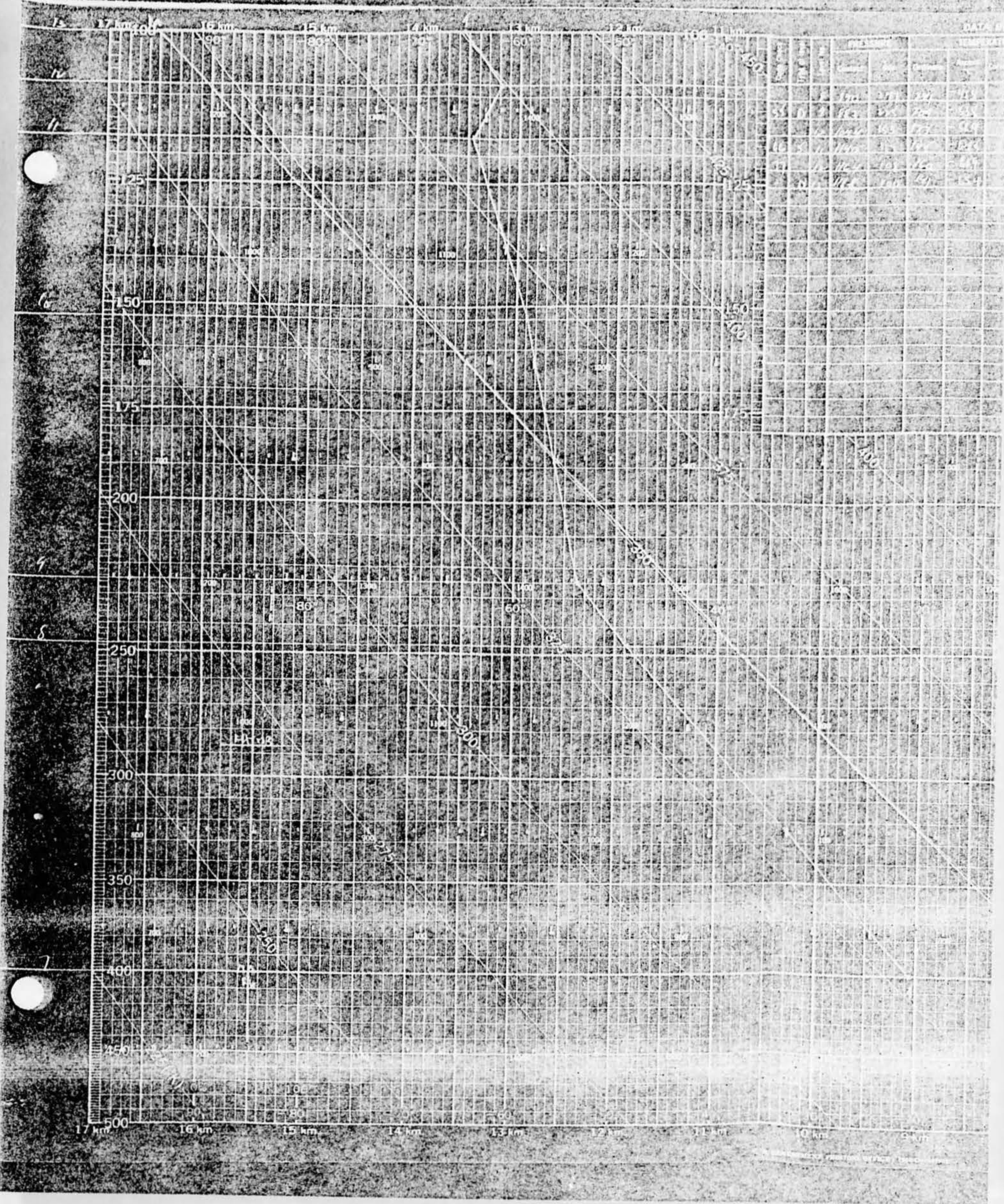
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1200	1010
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1600	1010
1700	1010
1800	1010
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2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

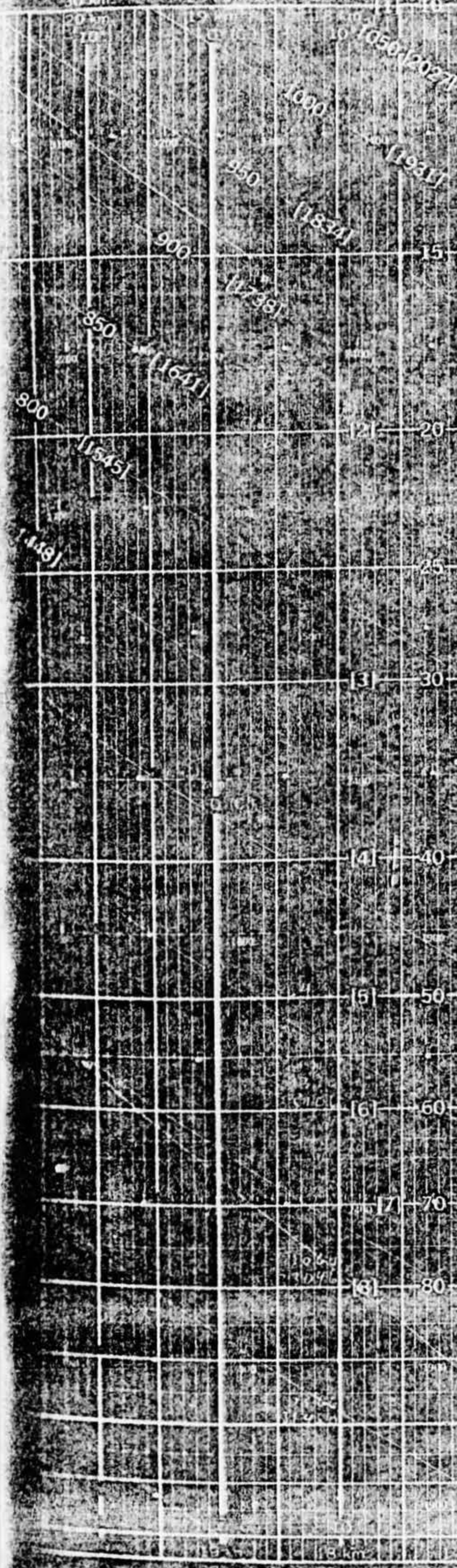
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1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010

1000	1010
1100	1010
1200	1010
1300	1010
1400	1010
1500	1010
1600	1010
1700	1010
1800	1010
1900	1010
2000	1010
2100	1010
2200	1010
2300	1010
2400	1010





U.S. DEPARTMENT OF COMMERCE WEATHER BUREAU ADIABATIC CHART



DATA BLOCK 1

TIME	DATE	LOCATION	WIND	TEMP	DEWPT	REL H	SEA	WAVE	VIS	CEILING	OBSC	REMARKS
1200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
4900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
5900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
6900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
7900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
8900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
9900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
10000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	

REMARKS

CHARTERED CARD

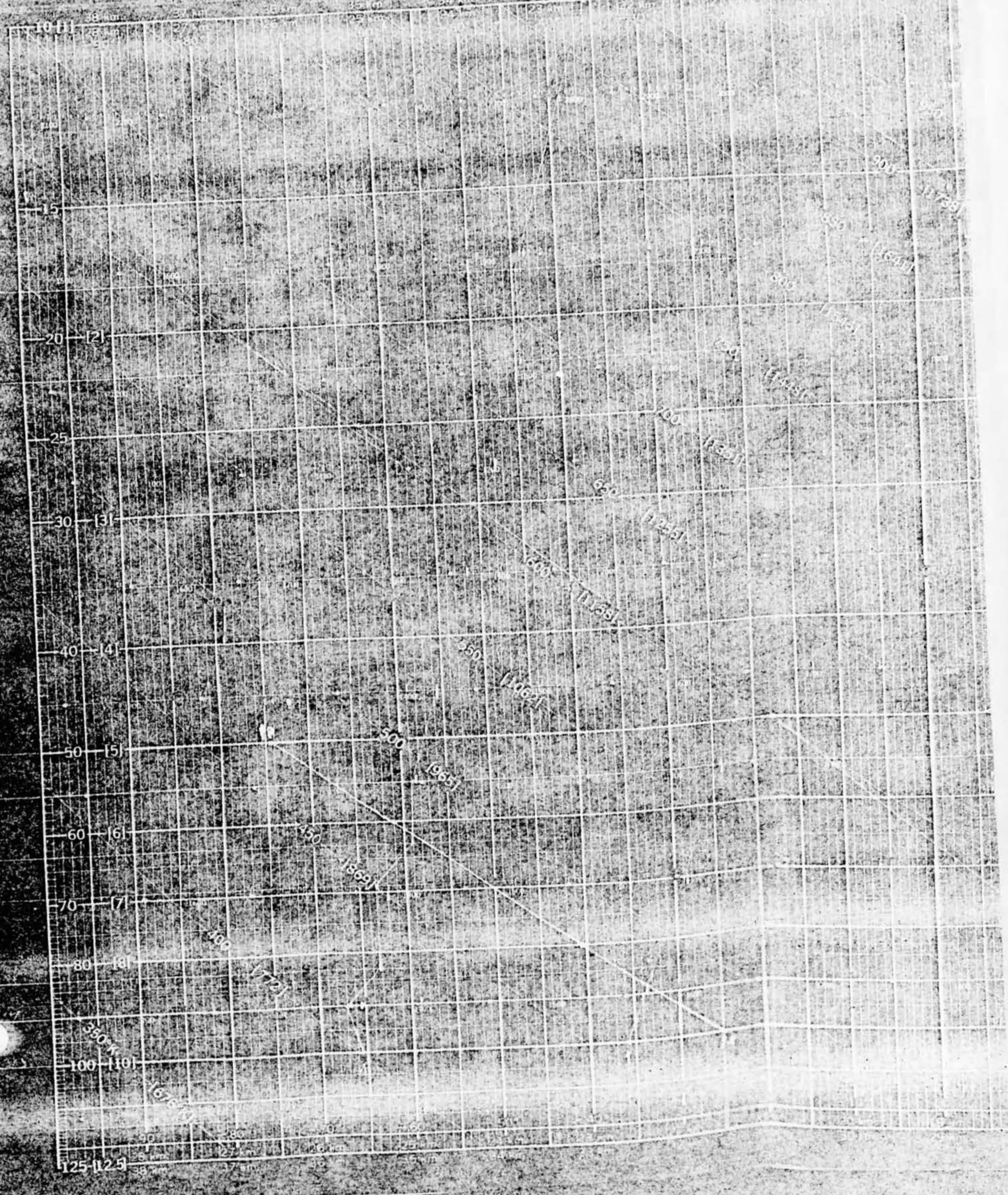
RESERVED FOR OFFICIAL USE

TIME	DATE	LOCATION	WIND	TEMP	DEWPT	REL H	SEA	WAVE	VIS	CEILING	OBSC	REMARKS
1200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
1900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2200	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2300	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2400	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2500	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2600	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2700	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2800	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
2900	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3000	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3100	10/10/54	WFO	120	100	70	100	0	0	10	0	0	
3200	10/10/54	WFO	120	100	70	100	0	0	10			

RESERVED FOR OFFICIAL USE

CHARTERED CARD

U. S. GOVERNMENT PRINTING OFFICE: 1961 O-581111



DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 53868 (11 Jun 63)

PAGE 2 OF 2

PAGE TWO RUWHSQ 2

(2) DUSK. E/MESA, ARIZONA

F. MR. [REDACTED], AGE 52, [REDACTED] MESA ARIZONA.

OWNER - "COST PLUS 10 MARKET" MESA, ARIZONA, VERY RELIABLE.

G(1) CLEAR WEATHER CONDITIONS, (2) SURFACE 240 DEGREES AT 7 KNOTS, 6,000 FEET 240 DEGREES AT 20 KNOTS; 10,000 FEET 210 DEGREES AT 15 KNOTS; 16,000 FEET 230 DEGREES AT 30 KNOTS; 20,000 FEET 240 DEGREES AT 30 KNOTS; 30,000 FEET 250 DEGREES AT 55 KNOTS; 50,000 FEET 240 DEGREES AT 25 KNOTS; 80,000 FEET UNKNOWN. (3) CLEAR (4) 25 MILES (5) NONE (6) NONE (7) ONE AND ONE HALF DEGREES PER 1,000 FEET. PARA 16. INVESTIGATION REVEALS THAT NO WEATHER BALLONS OR LIGHTER THAN AIR TYPE CRAFT WERE RELEASED OR OPERATING IN THIS AREA AT ABOVE TIME. LENTICULAR CLOUDS WERE OBSERVED IN THE AREA BUT WOULD NOT ACCOUNT FOR OBJECTS REPORTED MOVEMENT.

BT

11/0709Z JUNE RUWHSQ

NOTE : ADVANCE COPIES DELIVERED TO DIA AND NIN.

[illegible]

BASELINE CHECK READINGS

TEMPERATURE		RELATIVE HUMIDITY	
Time	Location	Wet Bulb	Dry Bulb
1315	WPA	86.2	74.0
1345	WPA	80.0	70.0

CODED MESSAGE FOR TRANSMISSION

[illegible]

LEGEND FOR CONSTANT PRESSURE BLOCKS

<p>1. NAME</p> <p>2. ADDRESS</p> <p>3. CITY</p> <p>4. STATE</p> <p>5. ZIP</p>	<p>6. PHONE</p> <p>7. FAX</p> <p>8. E-MAIL</p> <p>9. DATE</p> <p>10. SIGNATURE</p>
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LEGEND FOR PLOTTED CURVES

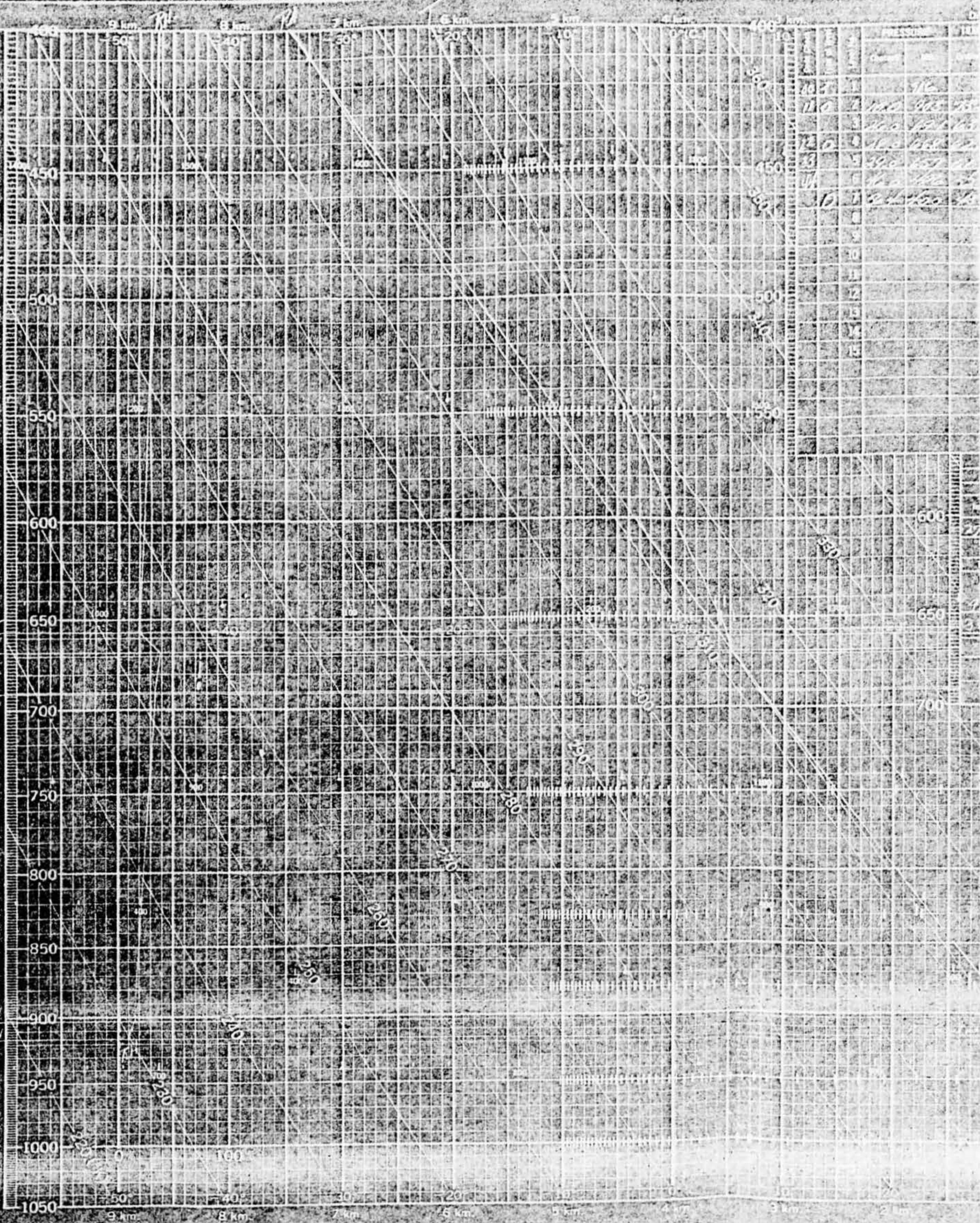
1940

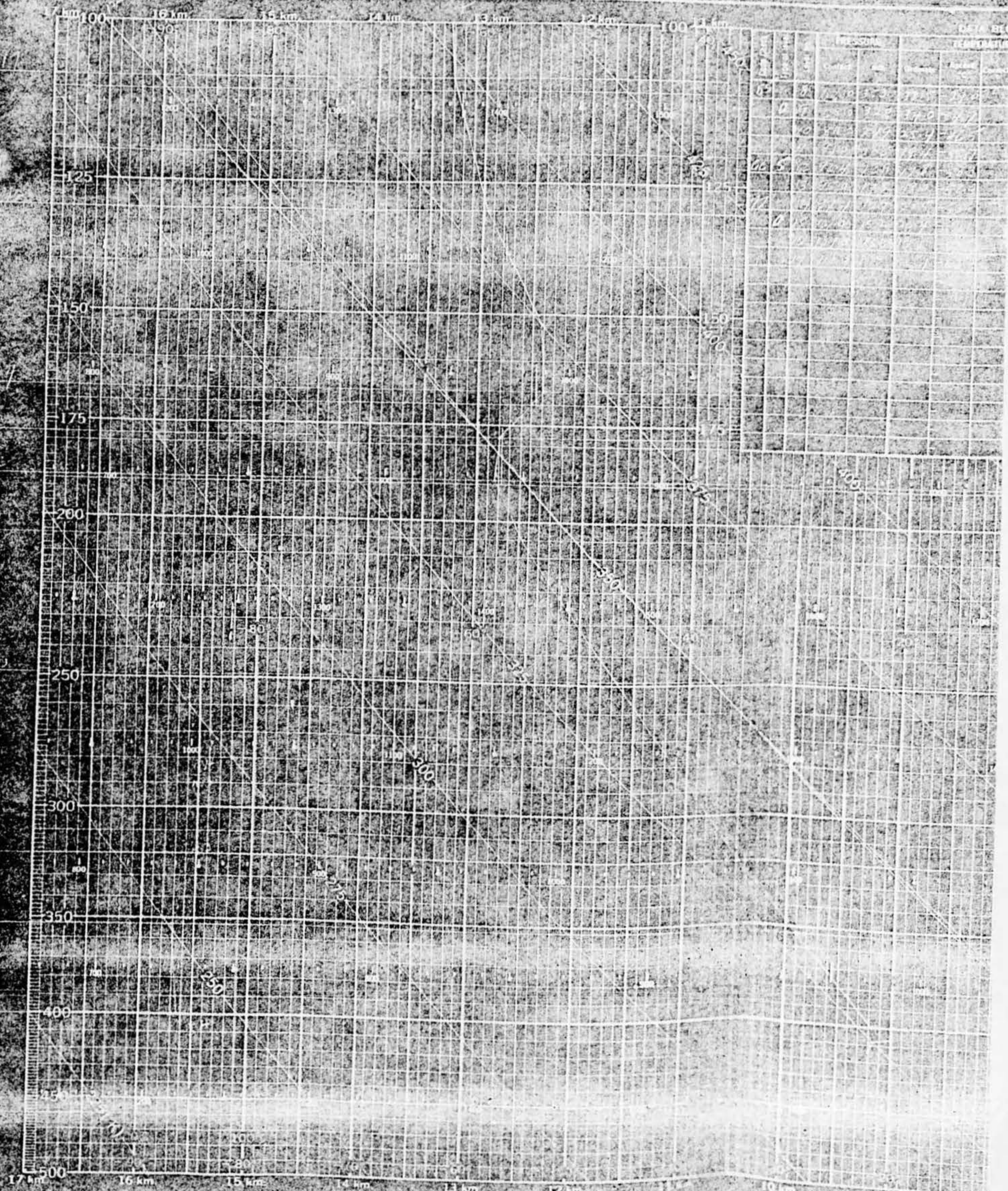
DATE AND RELEASE TIME

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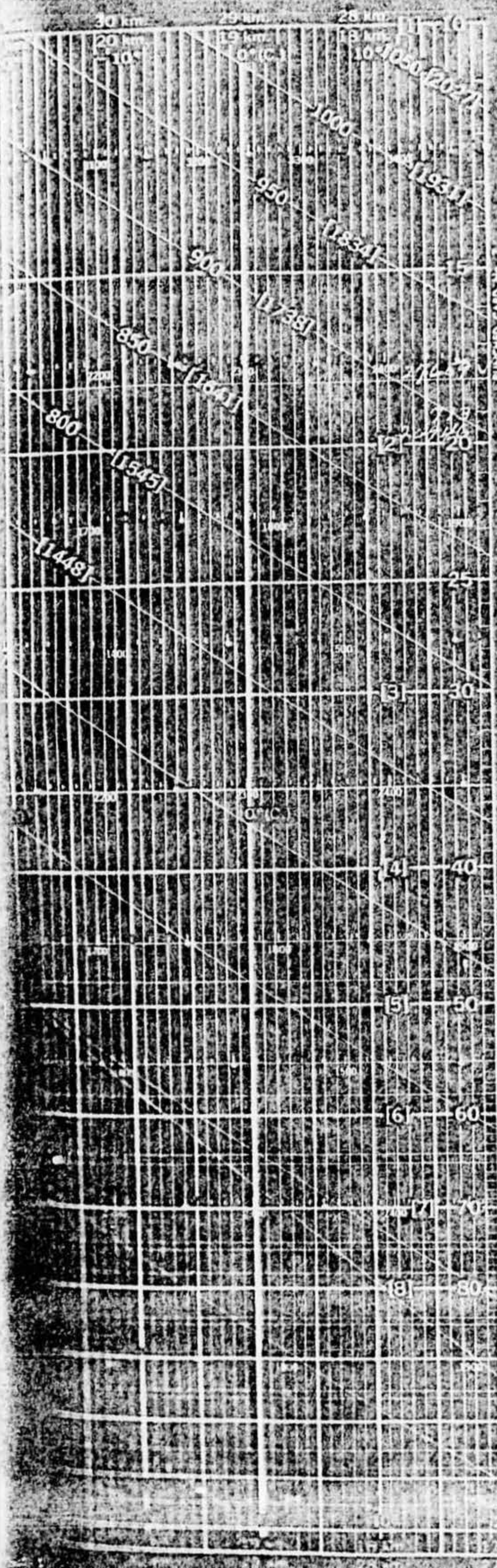
• **1994**

1. The first part of the text discusses the importance of maintaining accurate records of all transactions, including sales, purchases, and expenses. It emphasizes that proper record-keeping is essential for determining the correct amount of tax liability.





U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
ADIABATIC CHART



PUNCHED CARD No. 6

1000	1000	1000
950	950	950
900	900	900
850	850	850
800	800	800
750	750	750
700	700	700
650	650	650
600	600	600
550	550	550
500	500	500
450	450	450
400	400	400
350	350	350
300	300	300
250	250	250
200	200	200
150	150	150
100	100	100

PUNCHED CARD No. 5

1000	1000	1000
950	950	950
900	900	900
850	850	850
800	800	800
750	750	750
700	700	700
650	650	650
600	600	600
550	550	550
500	500	500
450	450	450
400	400	400
350	350	350
300	300	300
250	250	250
200	200	200
150	150	150
100	100	100

PRESSURE		TEMPERATURE		WIND	WAVE	SEA	SWELL	ICE	CLOUDS	VISIBILITY	WEATHER
hPa	mb	°C	°F								
1000	1000	15.0	59.0								
950	950	13.9	57.0								
900	900	12.9	55.2								
850	850	11.9	53.4								
800	800	10.9	51.6								
750	750	9.9	49.8								
700	700	8.9	48.0								
650	650	7.9	46.2								
600	600	6.9	44.4								
550	550	5.9	42.6								
500	500	4.9	40.8								
450	450	3.9	39.0								
400	400	2.9	37.2								
350	350	1.9	35.4								
300	300	0.9	33.6								
250	250	-0.1	31.8								
200	200	-1.1	30.0								
150	150	-2.1	28.2								
100	100	-3.1	26.4								

REMARKS:

LEGEND FOR CONSTANT PRESSURE BLOCKS	
DATA AS OBSERVED	DATA AS ENTERED ON PUNCHED CARD
TEMPERATURE	TEMPERATURE
WIND	WIND
WAVE	WAVE
SEA	SEA
SWELL	SWELL
ICE	ICE
CLOUDS	CLOUDS
VISIBILITY	VISIBILITY
WEATHER	WEATHER

LEGEND FOR PLOTTED CURVES

1. Adiabatic (solid line)

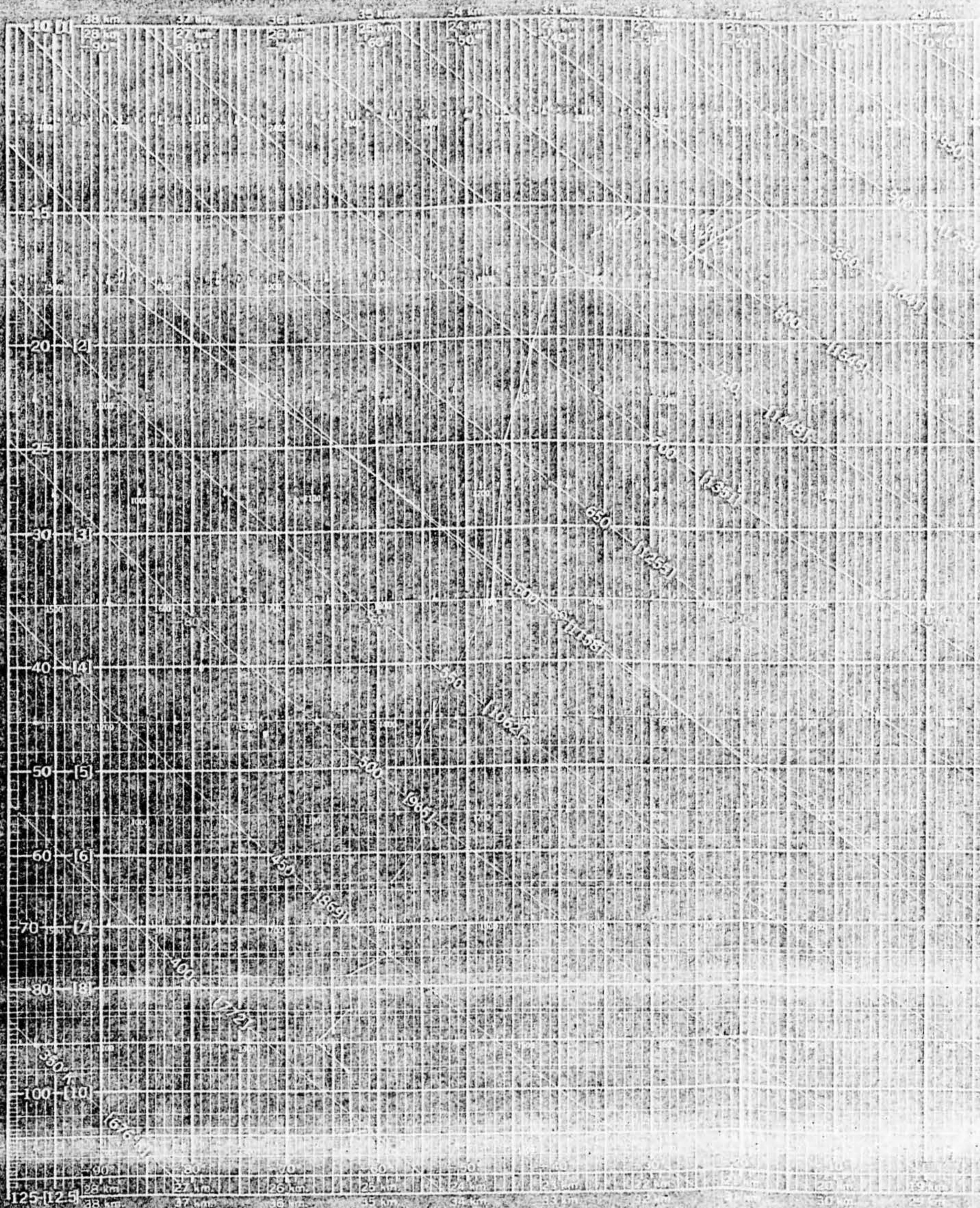
2. Mixing ratio (dashed line)

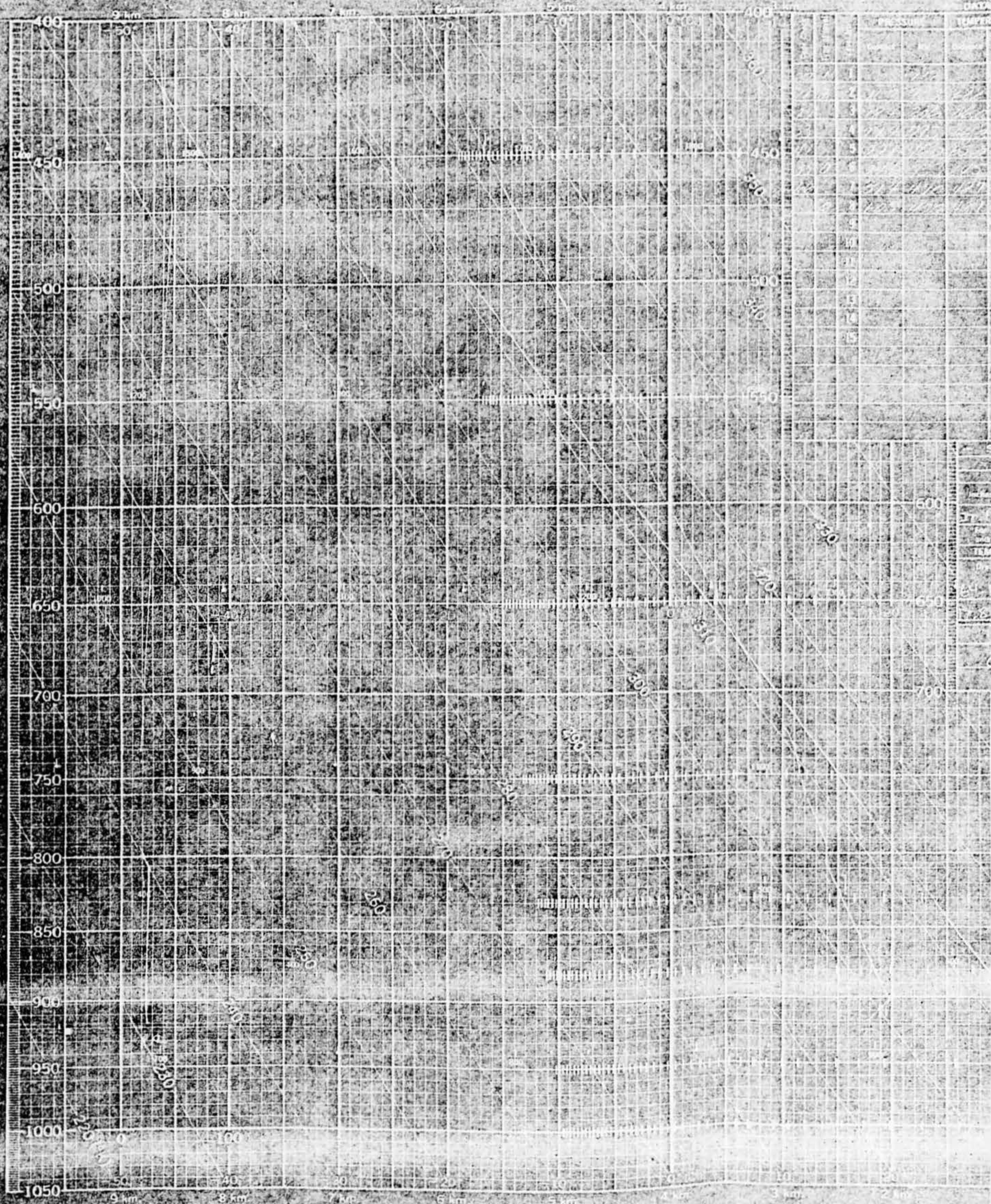
3. Mixing ratio ratio (dotted line)

DATE AND RELEASE TIME	
950	1000
1000	1100
1100	1200
1200	1300
1300	1400
1400	1500
1500	1600
1600	1700
1700	1800
1800	1900
1900	2000
2000	2100
2100	2200
2200	2300
2300	2400

WFOUR, ARIZONA
International Airport

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400





ADIBATIC CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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CODED MESSAGE TO THE BUREAU

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LEGEND FOR CONSTANT PRESSURE BLOCKS

DATA AS TRANSMITTED	DATA AS ENTERED ON PUNCHED CARD
COMM	COMM
TIME	TIME
COORD	COORD

LEGEND FOR PLOTTED CURVES

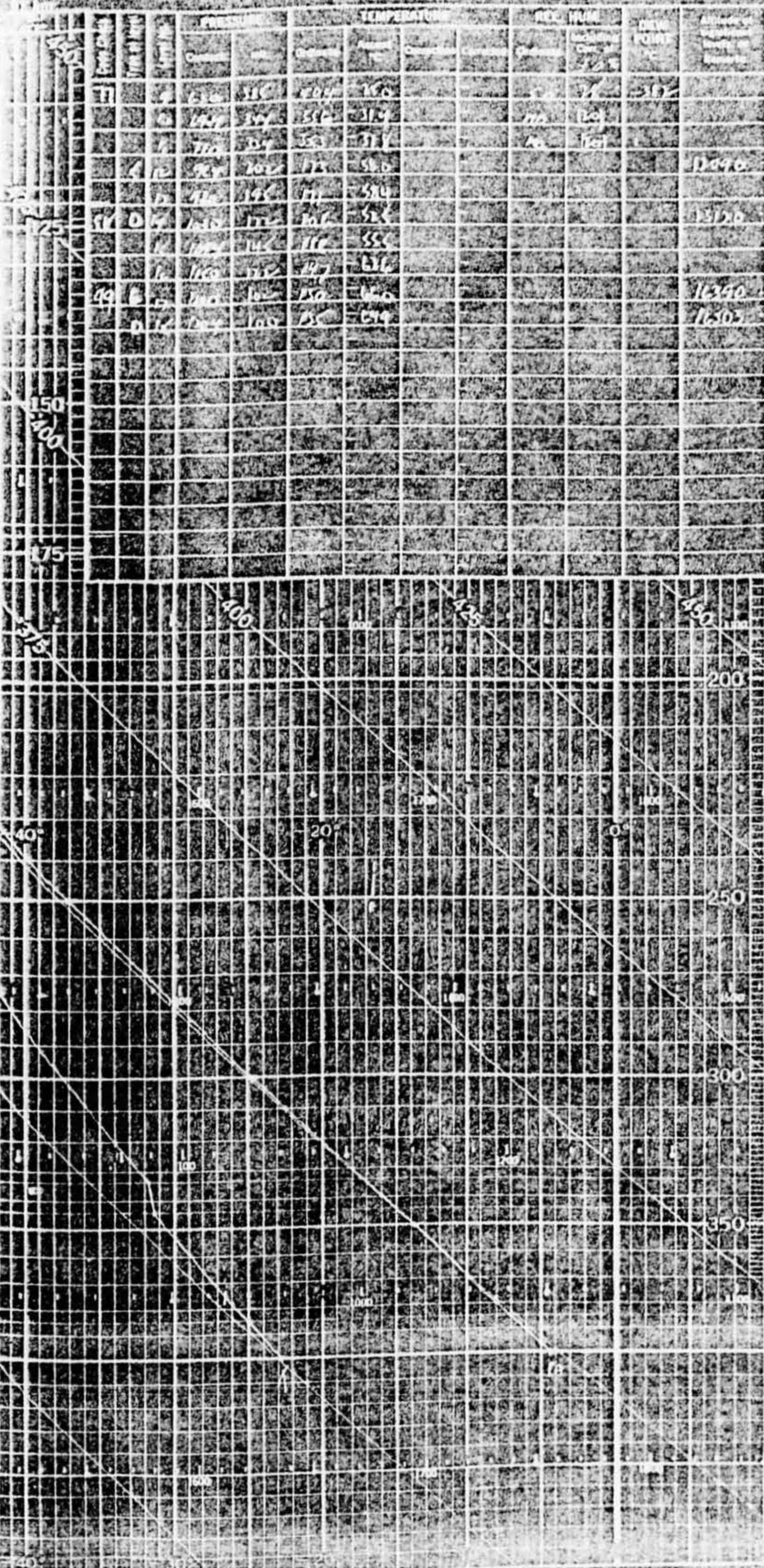
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DATE AND RELEASE TIME

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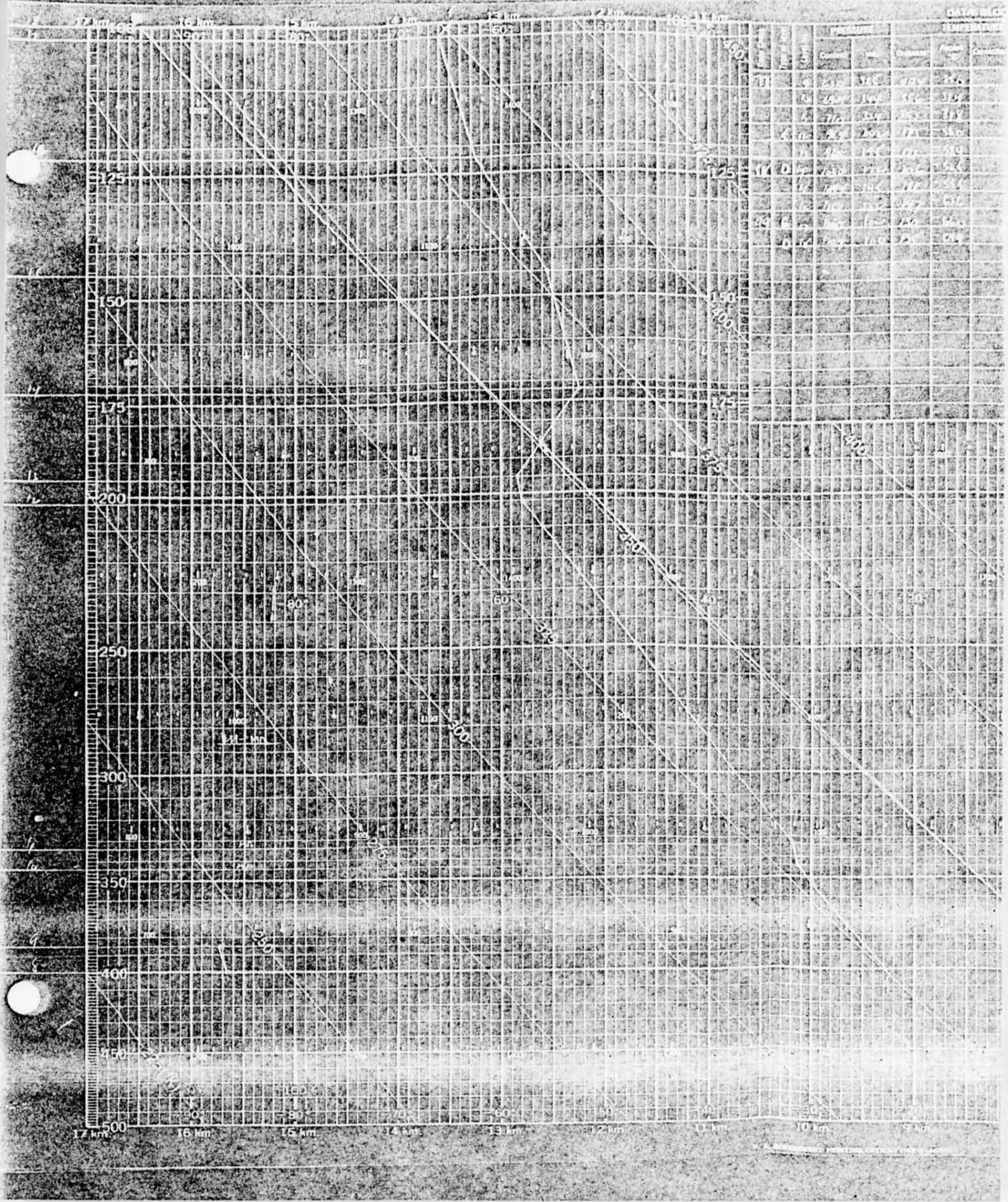
STATION - 100000

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11 km 10 km 9 km 8 km

U.S. GOVERNMENT PRINTING OFFICE: 1960 - 1000000



DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 53868 (11 Jun 63) C/no

PAGE 1 OF 2

ACTION: NIN-9

INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-25, DIA-CIIC-2 (45)

SMB C078

CZCHQE298ZCQJB157

MM RUEAHQ

DE RUWHSQ 2

ZNR

M 101745Z

FM WILLIAMS AFB ARIZ

TO RUWGALB/ADC ENT AFB COLORADO

RUWHSB/28 AIR DIV HAMILTON AFB CALIF

RUCD SQ/AFSC FOREIGN TECHNOLOGY DIV WPAFB OHIO

RUEAHQ/HQ USAF (AFCIN) WASH DC

RUEAHQ/SECRETARY OF THE AIR FORCE (SAFOI) WASH DC

BT

UNCLAS PT-OTA 2639.

UFO THE FOLLOWING INFORMATION IS SUBMITTED IN ACCORDANCE WITH

AFR 200-2. PARA 14A(1) CIGAR SHAPED: (2) ELONGATED SILVER DOLLAR:

(3) BROWN - EXCEPT PROPELLER SILVER: (4) ONE (5) NEGATIVE

(6) PROPELLER BISECTED BODY IN CENTER WITH BODY AS HUB. (7) NONE

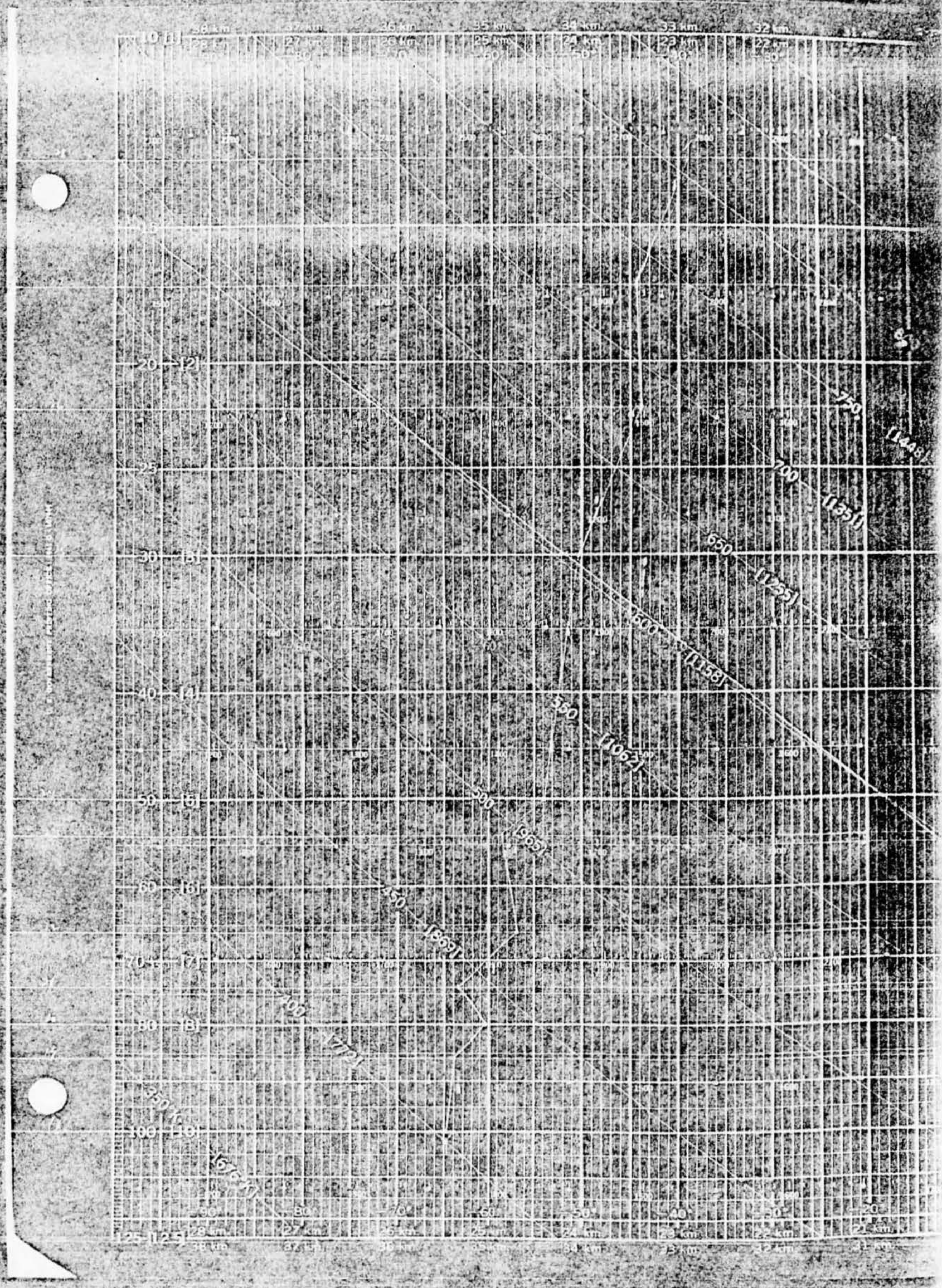
(8) NOT CERTAIN (9) SAME AS NR. 6. B (1) CHANCE (2) 45 DEGREES

(3) 15 DEGREES (4) FLOATING OR GLIDING NM STRAIGHT PATH (5)

GRADUALLY TO SOUTHWEST (6) 25 MINUTES. C (1) GROUND VISUAL

(2) BINOCULAR - BRITISH GOVERNMENT SURPLUS BROUGHT OBJECT CLOSER

BUT DID NOT INCREASE SIZE (3) N/A. D (1) 0635Z, 5 JUNE 1963

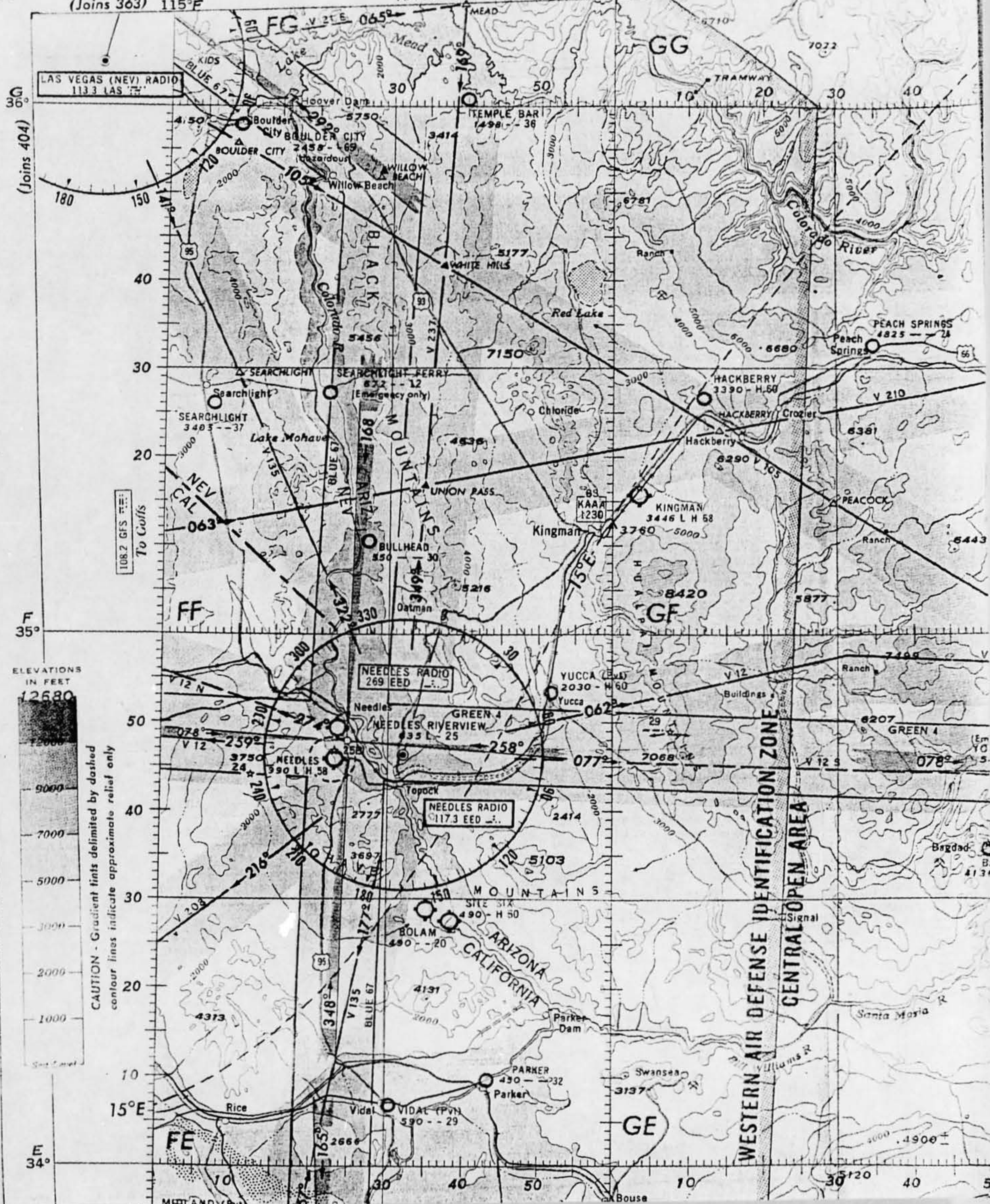


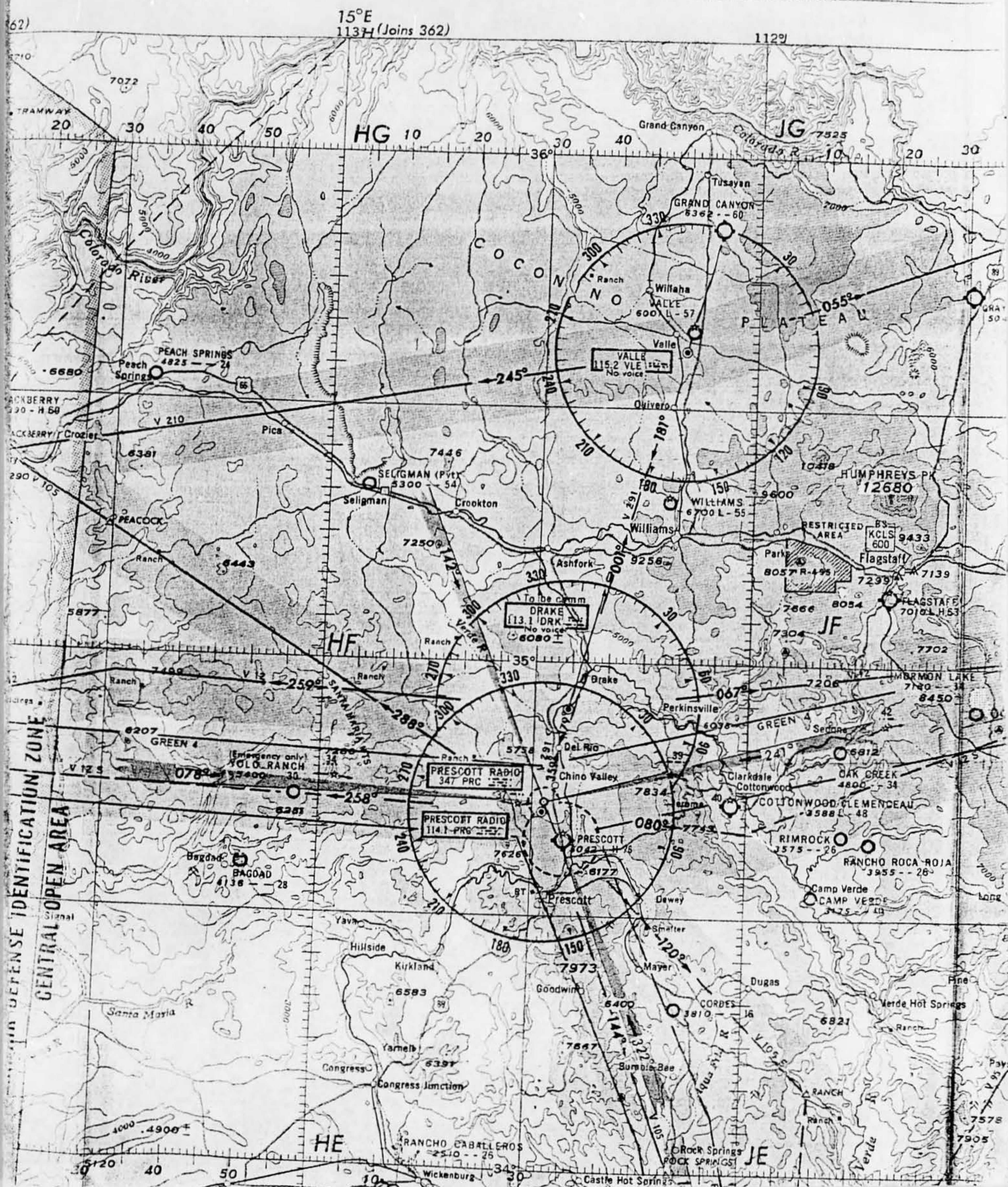
ELEVATIONS

五

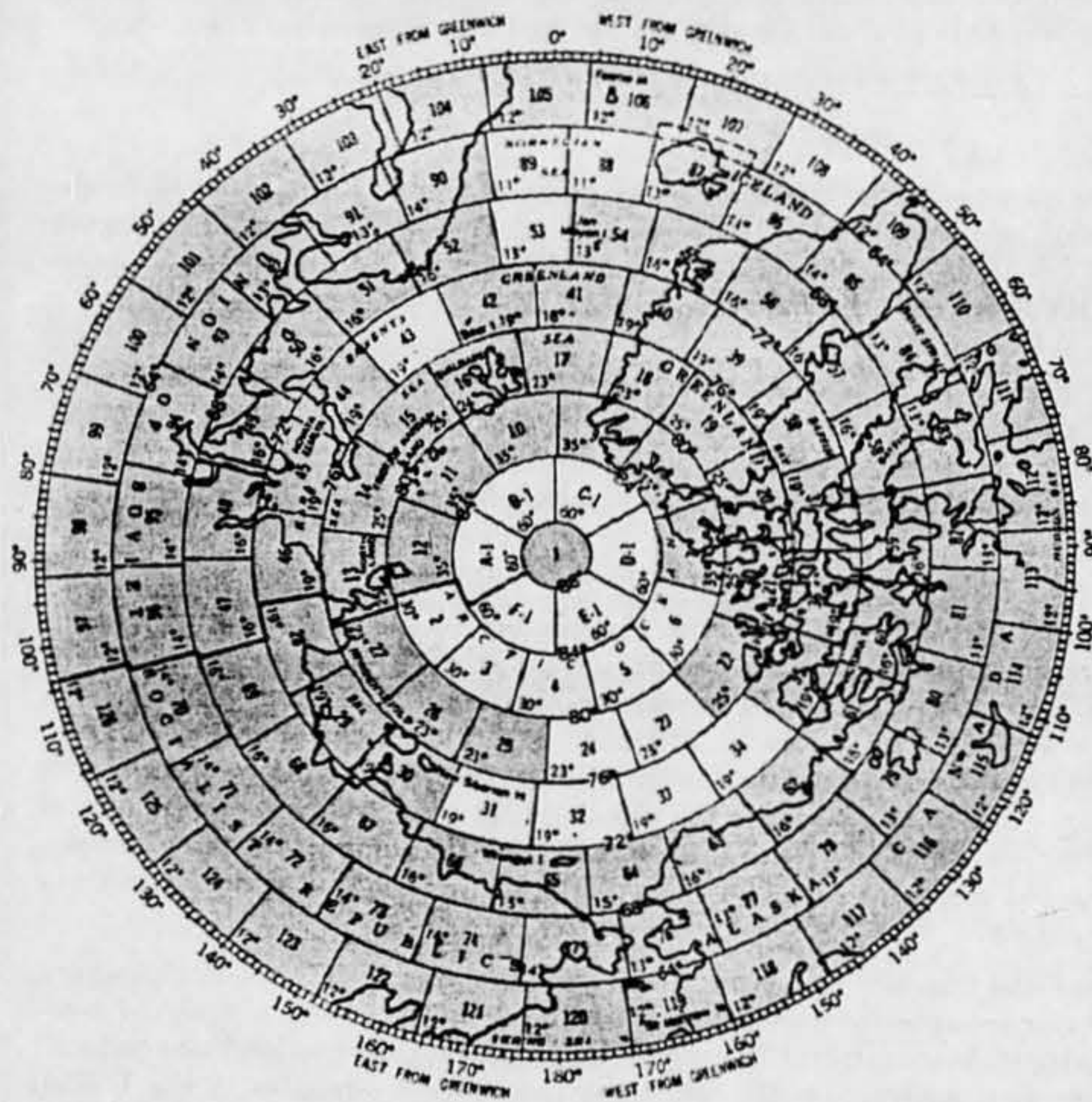
To Las Vegas, Nev 206 LAS 171
(Joins 363) 115°F

1148 MMM III
To Mormon Mesa (Joins 363) 114°G (Joins 362)

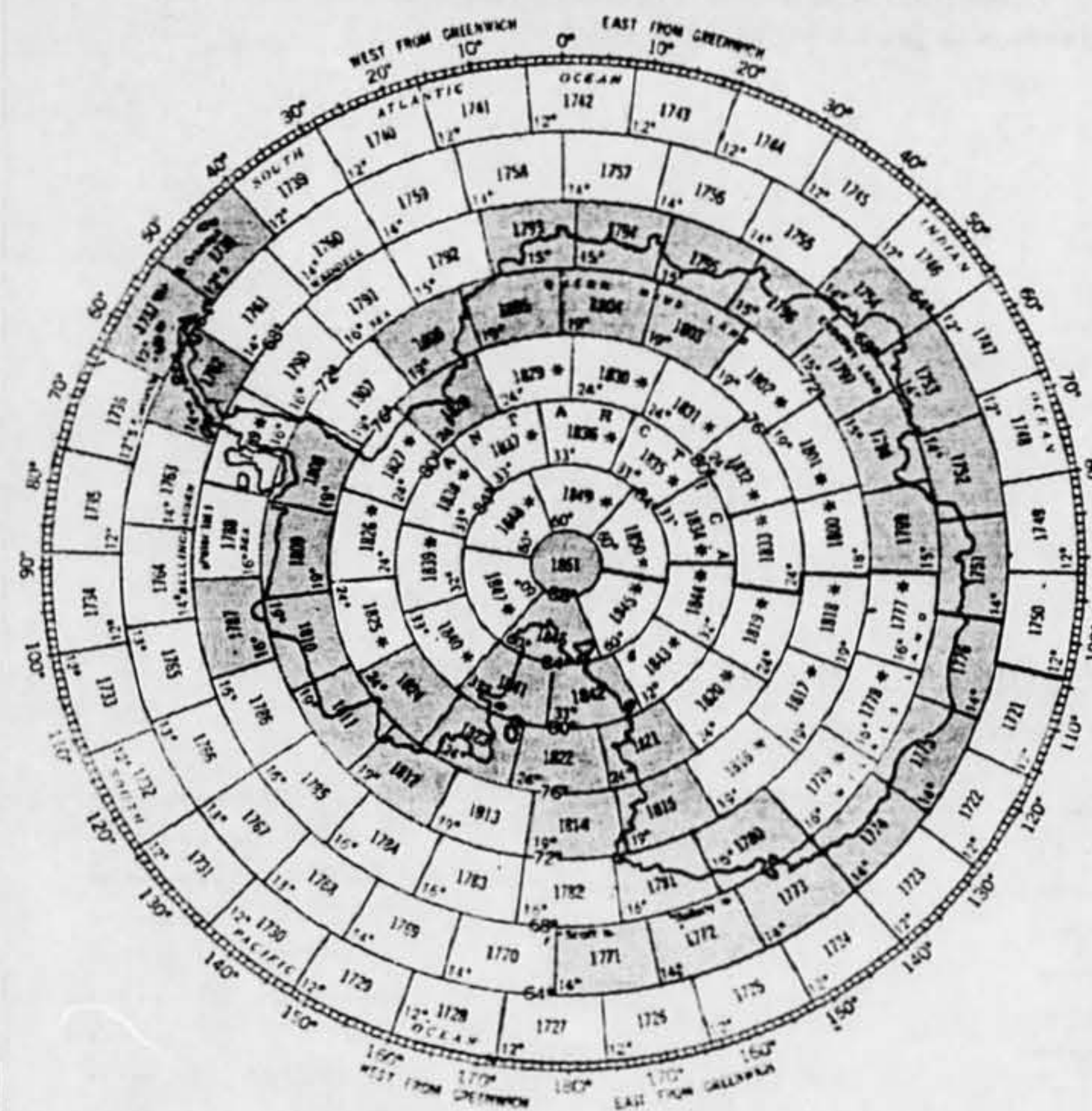




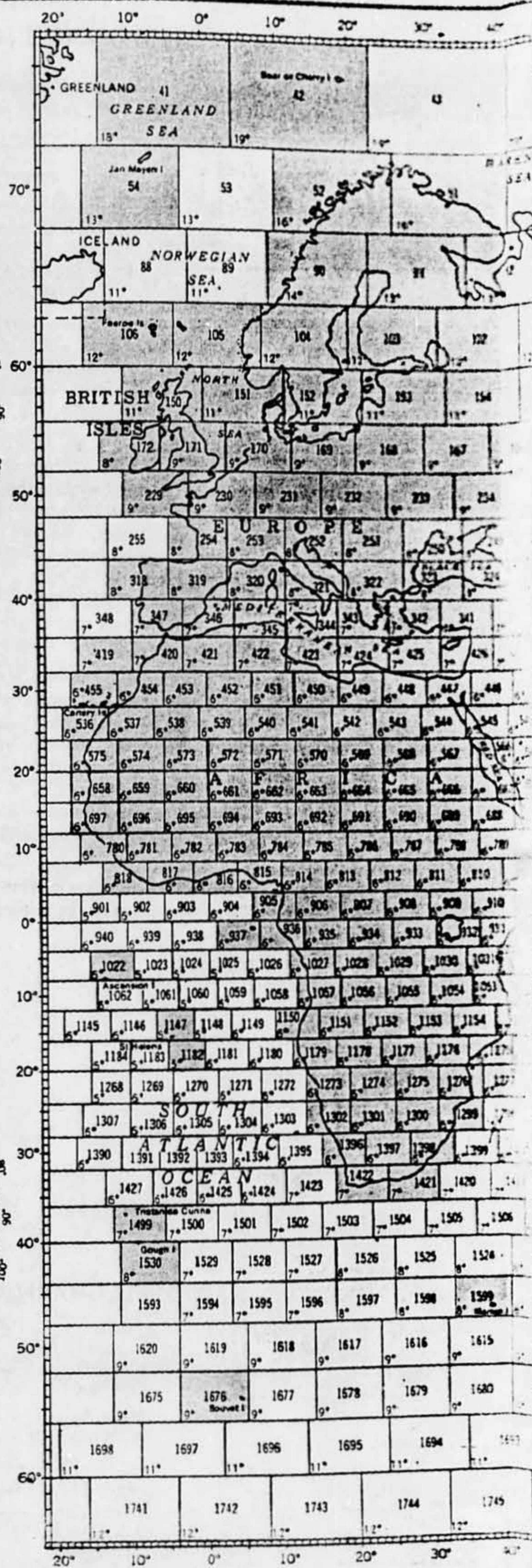
NORTH POLAR AREA



SOUTH POLAR AREA



*Indicates that there is not sufficient information available to compile charts in this area at a scale of 1:1,000,000. Requisitions for these charts will be filled with the appropriate Universal Water Chart.



AERONAUTICAL CHART SUPPLY

To insure that the airman has the latest information available, most U. S. World Aeronautical Charts are revised at six-month periods and others including the Alaskan World Aeronautical Charts are revised at twelve-month periods.

Chart users are advised to check the list Dates of Latest Prints on display with authorized agents.

CIVIL CHART SUPPLY

Authorized agents for the sale of aeronautical charts have been appointed at certain airports and principal cities throughout the United States. The charts may also be obtained from the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C.

MILITARY CHART SUPPLY

(Ref: AF Reg. 67-3)

1. Aeronautical Charts, Maps and Publications distributed by the Aeronautical Chart and Information Center are indexed or listed in the current edition of the "USAF Catalog of Aeronautical Charts and Aeronautical Information Publications". A Bulletin is also published twice monthly which contains important information such as new editions of charts available, replacement charts, hazardous charts, chart correction notices and other pertinent information pertaining to charts and supply.

2. Requisitioning.

a. Outside Continental United States: USAF activities are to submit requisitions to the appropriate Aeronautical Chart and Information Office located within the applicable theater, in accordance with existing theater directives.

b. Within Continental United States: USAF activities are to submit requisitions to Commanding Officer, Aeronautical Chart and Information Center, 2nd and Arsenal Sts., St. Louis 18, Missouri, Attention: Distribution Division. Requisitions will be submitted on available requisition forms or by letter in quadruplicate. When demand is urgent, wire service may be used. Requisitions submitted from a Base or Station will bear the signature, or approval by indorsement, of the Operations officer. Requisitions from Air Force, Wing, or Command Headquarters will bear the signature of the appropriate staff officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a thirty (30) day supply at all times, but not to exceed a sixty (60) day supply.

3. USAF Requirements for Special Purpose Maps and Charts: Maps and charts for special purposes, specific missions, and also those maps and charts published by other government agencies which may not be listed in the principal types of aeronautical charts in the current edition of the "USAF Catalog of Aeronautical Charts and Aeronautical Information Publications" should be requisitioned from USAF Aeronautical Chart and Information Center, when the request originates in the United States. For those USAF requests originating outside the continental United States, the applicable theater USAF Aeronautical Chart and Information Office should be contacted. Charts will be furnished, if available, when sufficiently identified in requisitions as to name or number, scale, projection and publisher. If this information is unknown to requestor, a description of the information required on chart or map should be furnished.

4. Obsolete Charts: Aeronautical charts rendered obsolete by printing of a new edition shall be salvaged if not practicable to correct for conformity with new edition. Disposition is to be made in accordance with provisions of AFR 67-3. Disposition of classified charts is to be made in accordance with provisions of AFR 205-1.

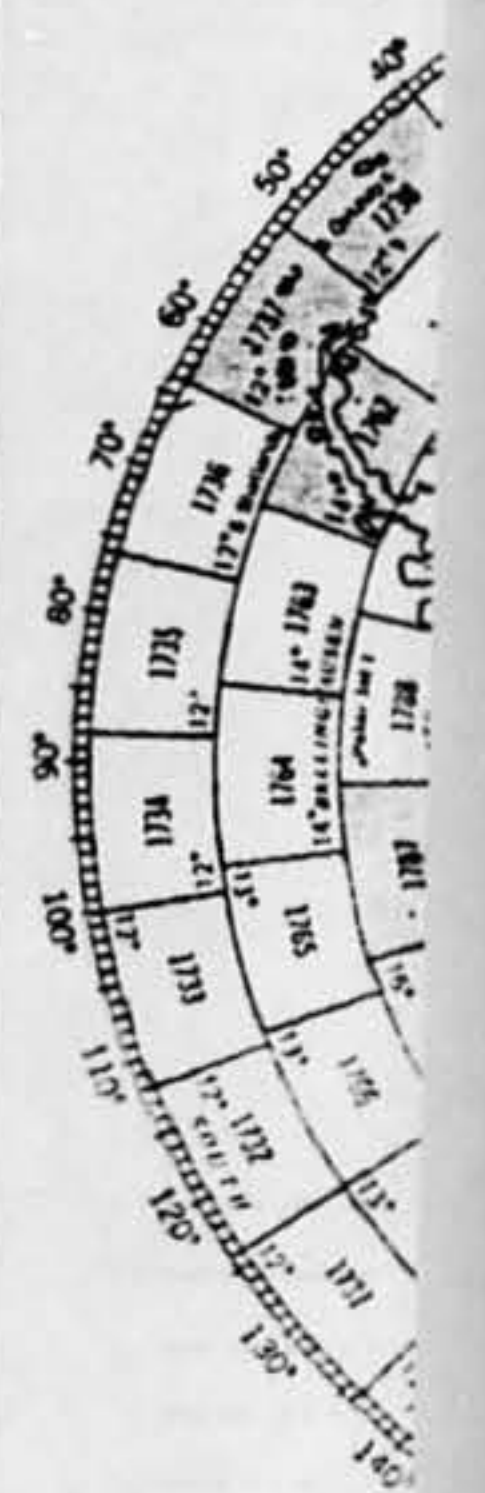
RADIOTELEGRAPH CODE AND PHONETIC ALPHABET

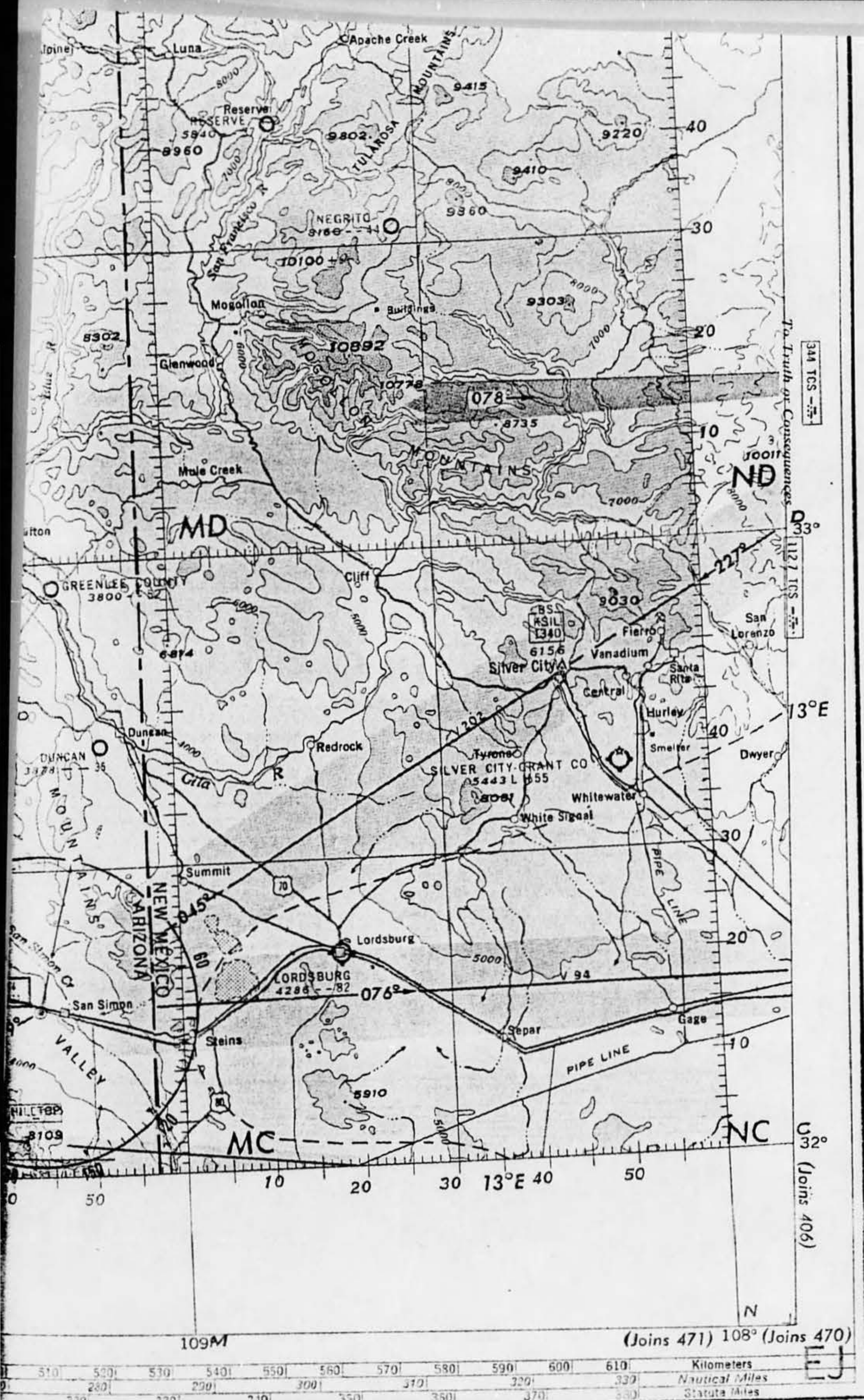
INTERNATIONAL (ICAO)

A—ALFA	..	K—KILO	---	U—UNIFORM	---	0—ZE-RO	-----
B—BRAVO	....	L—LIMA	....	V—VICTOR	....	1—WUN	-----
C—CHARLIE	....	M—MIKE	---	W—WHISKEY	---	2—TOO	-----
D—DELTA	---	N—NOVEMBER	---	X—XRAY	---	3—TREE	-----
E—ECHO	.	O—OSCAR	---	Y—YANKEE	---	4—FOW-er	-----
F—FOXTROT	....	P—PAPA	....	Z—ZULU	---	5—FIFE	-----
G—GOLF	---	Q—QUEBEC	---			6—SIX	-----
H—HOTEL	....	R—ROMEO	---			7—SEV-en	-----
I—INDIA	..	S—SIERRA	---			8—AIT	-----
J—JULIETT	---	T—TANGO	---			9—NIN-er	-----

5-1-56

*Indicates
charts in
charts wi





27TH EDITION Aeronautical information on this chart includes data received through March 4, 1958. Consult appropriate NOTAMS and Radio Facility Charts for supplemental data and current information. Next edition is scheduled in approximately six months.

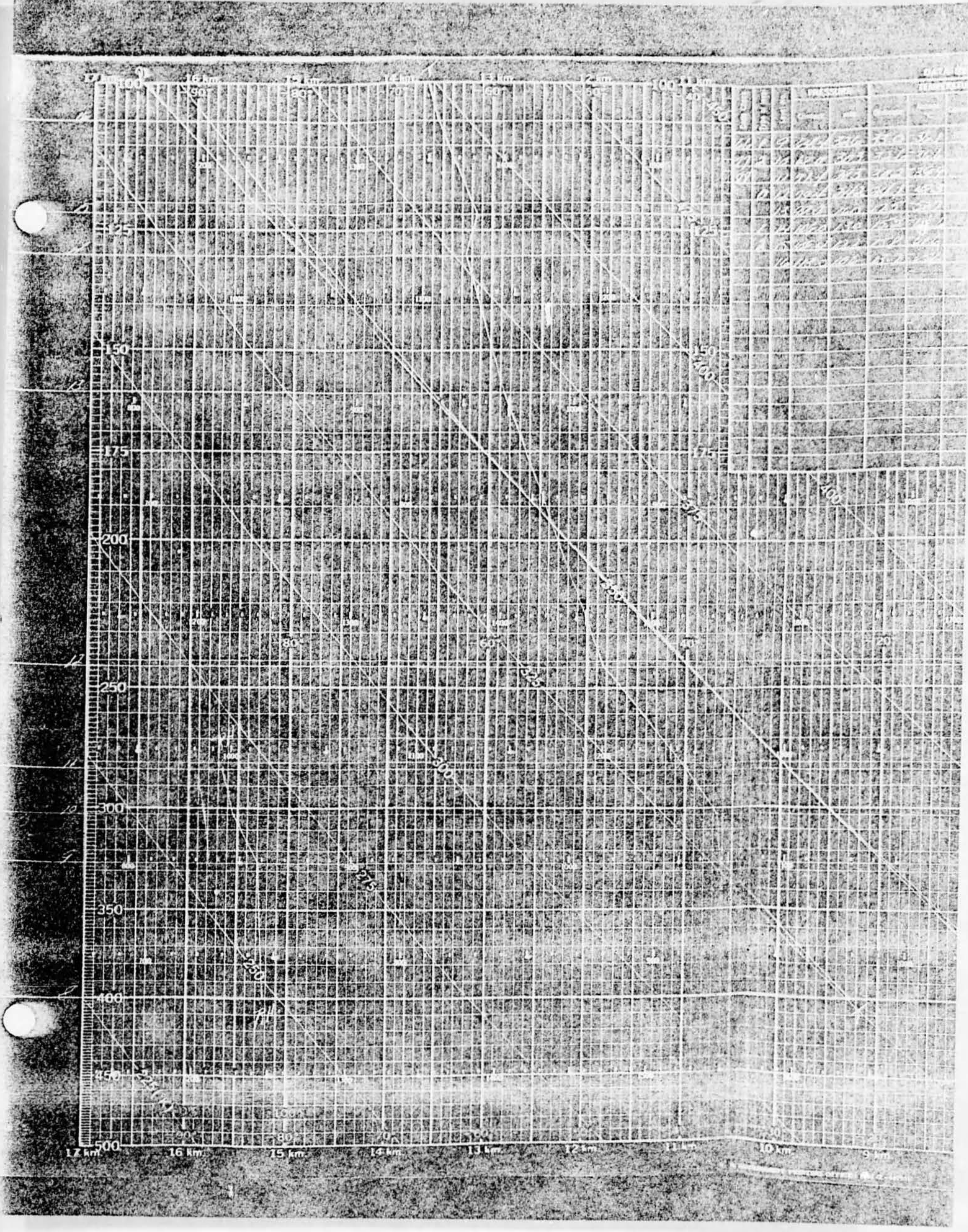
GILA RIVER (405) UNITED STATES - MEXICO U.S. AIR FORCE EDITION

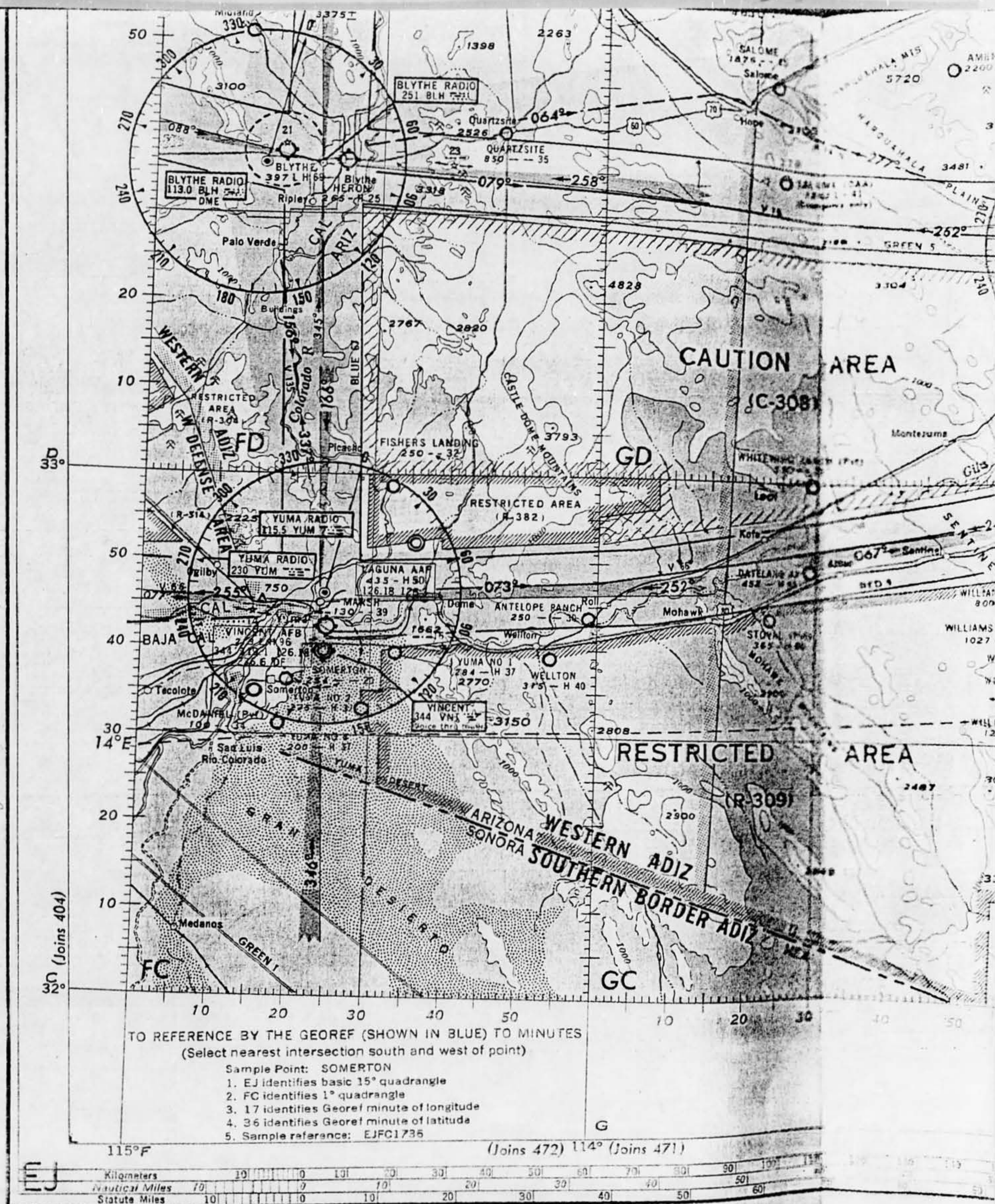


East and Geodetic Survey
Base No 4R



NOTICE TO USERS OF THIS CHART
You are urgently requested to inform us of corrections and additions that come to your attention while using this chart. When practicable, such information should be indicated clearly and accurately on the chart (a replacement copy will be returned). Mail to: THE DIRECTOR, U.S. COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C.

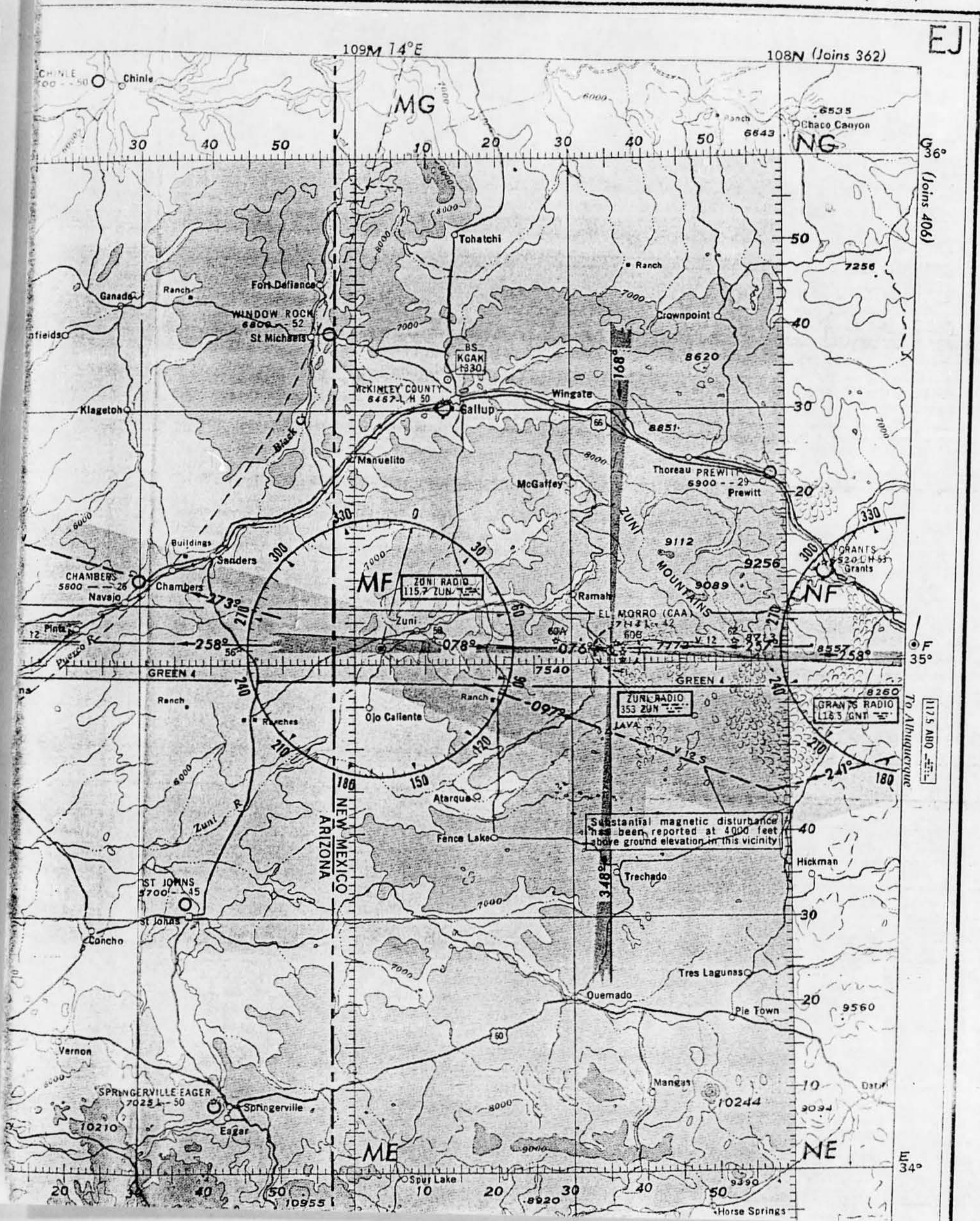




(405)

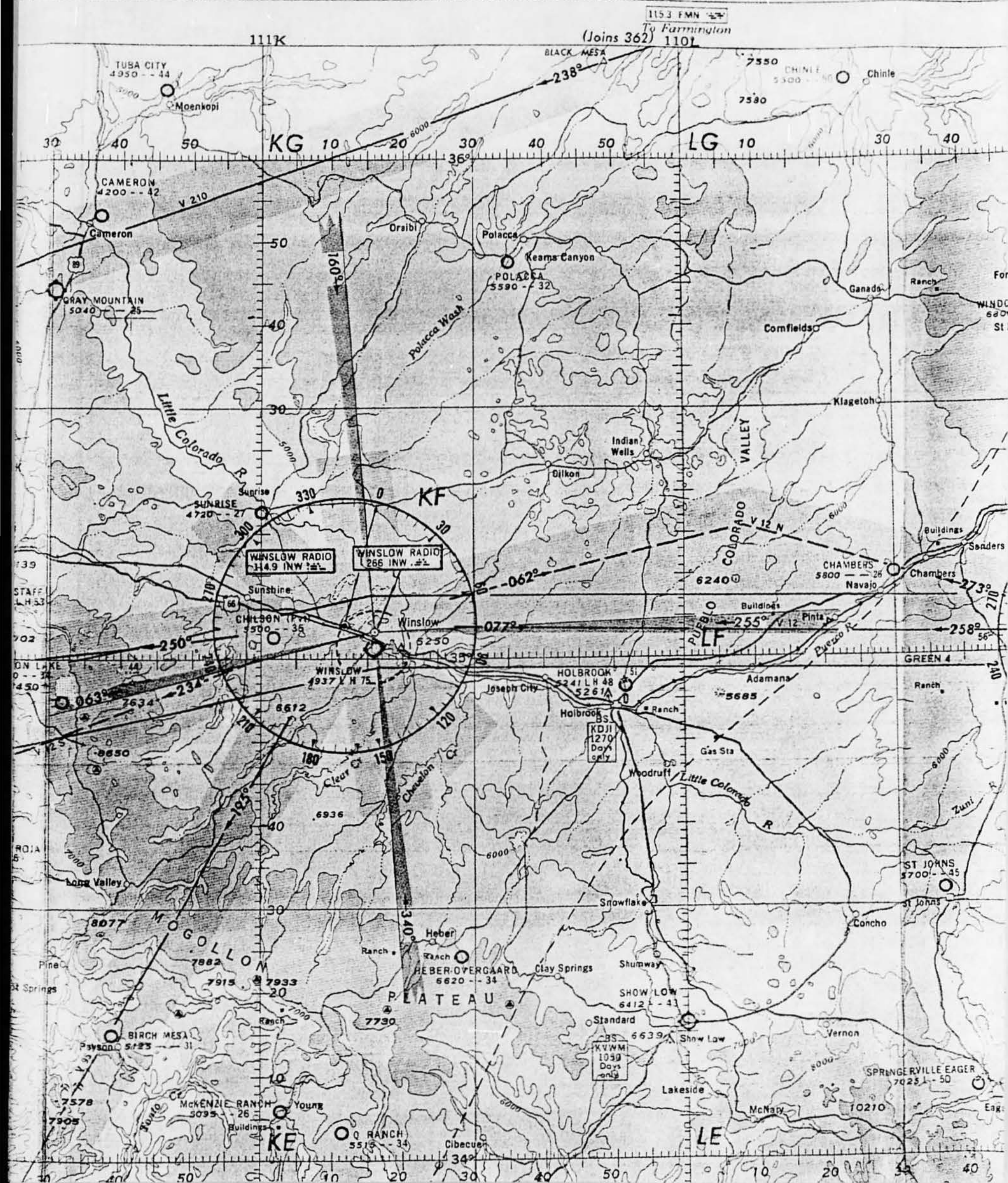
PRICE 25 CENTS

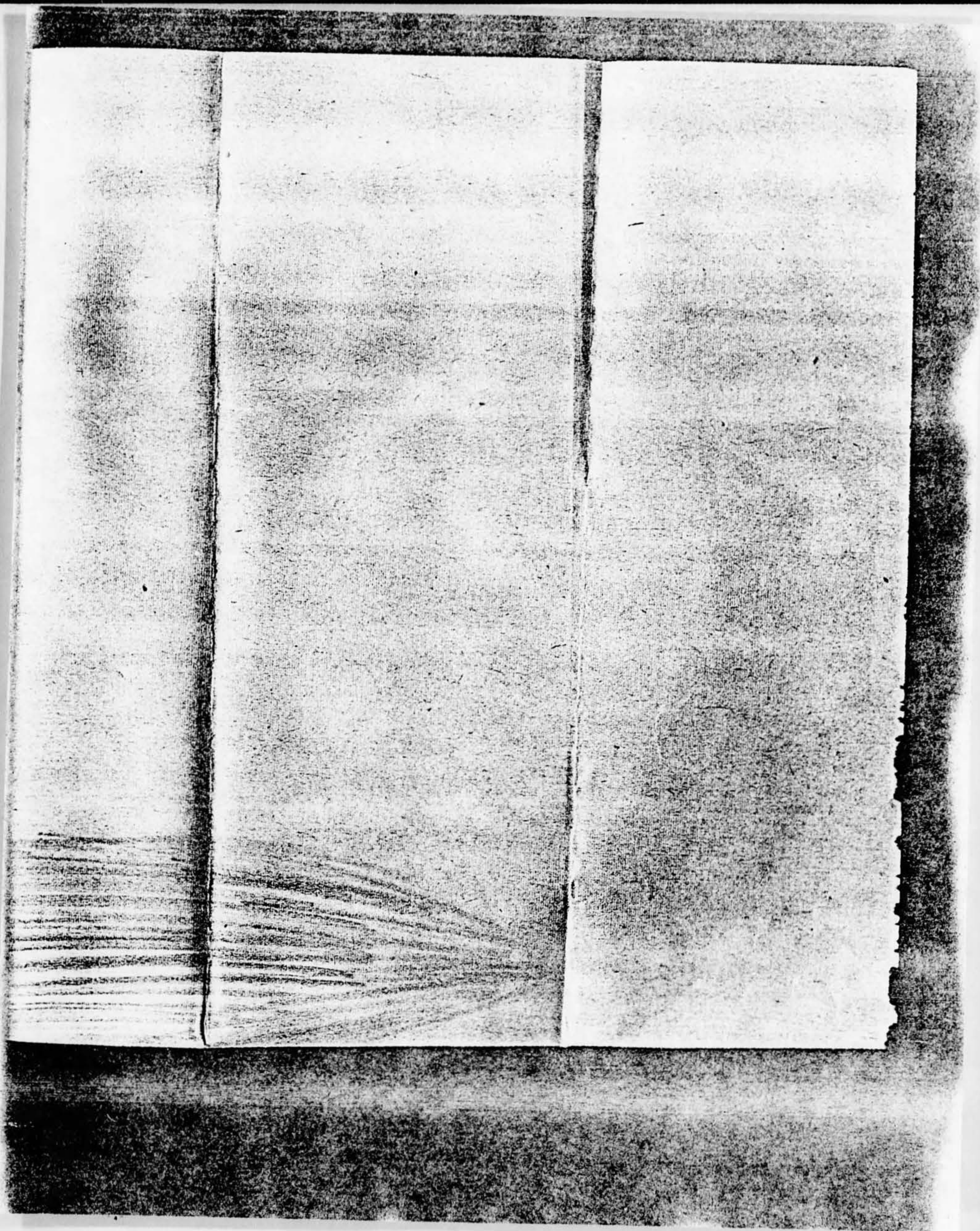
Principal Sources: Mexican Government, U. S. Geological Survey,
U. S. Army Corps of Engineers, U. S. Air Force, U. S. Dept. of Agriculture,
Civil Aeronautics Administration, and the U. S. Coast and Geodetic Survey

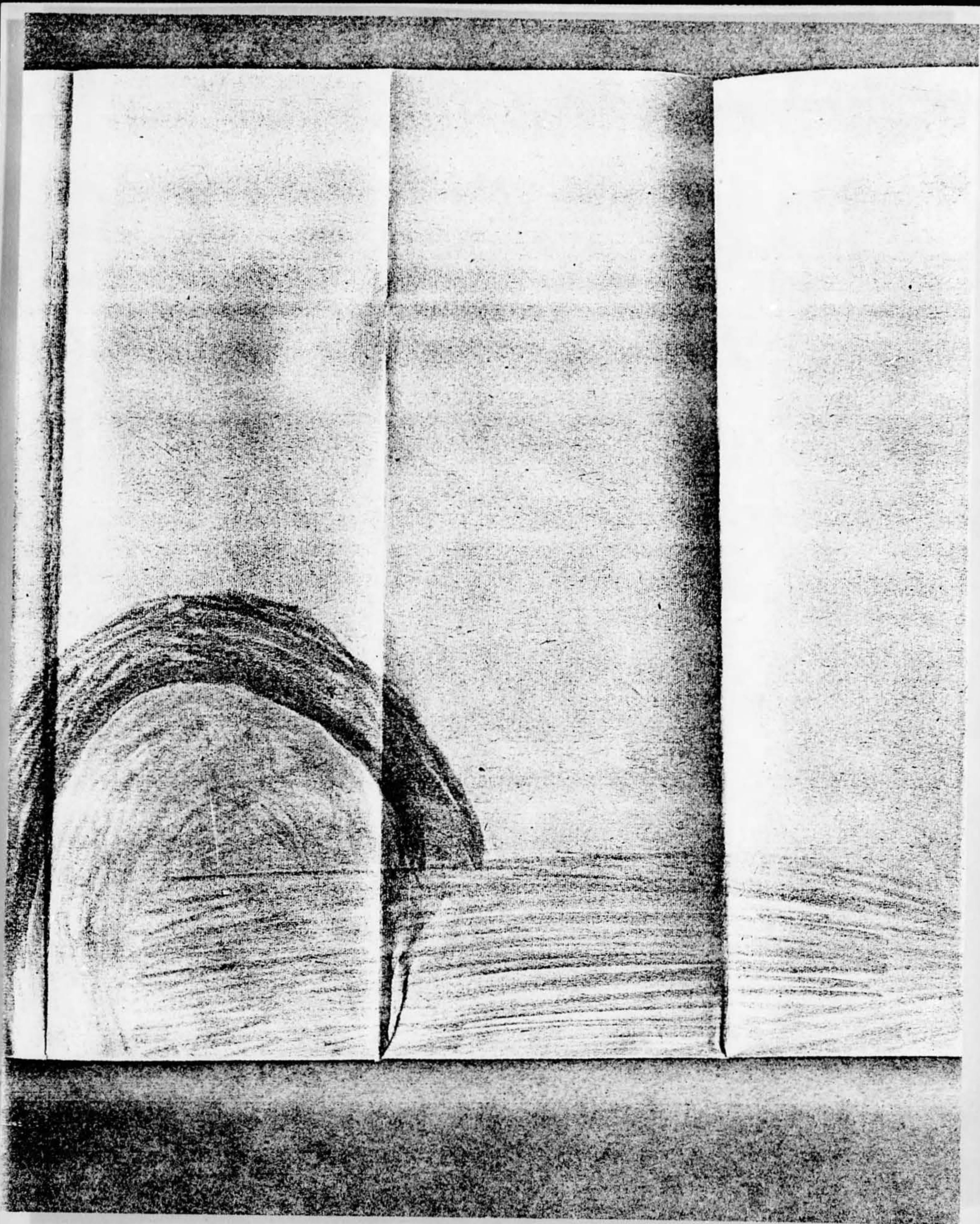


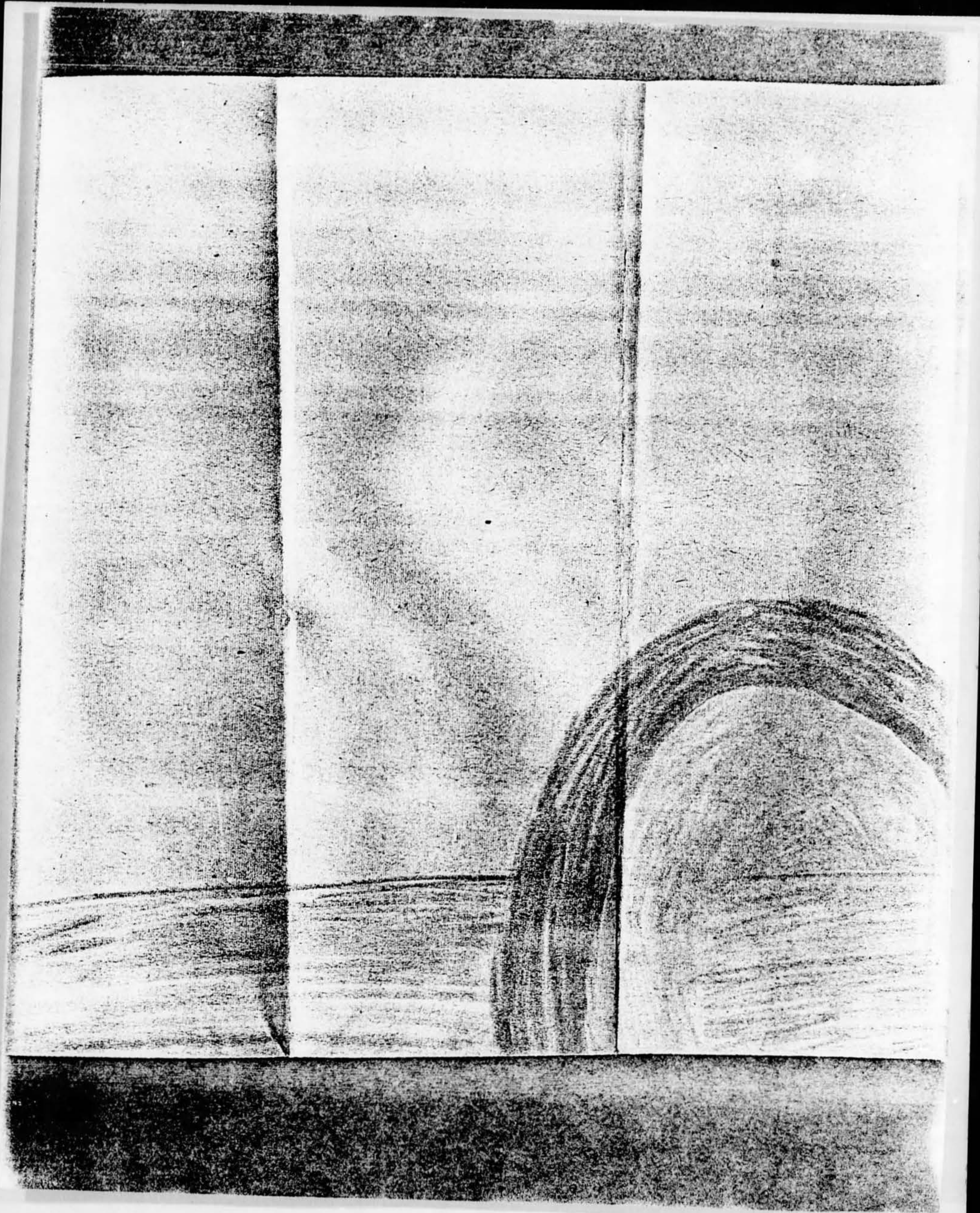
NAUTICAL CHART

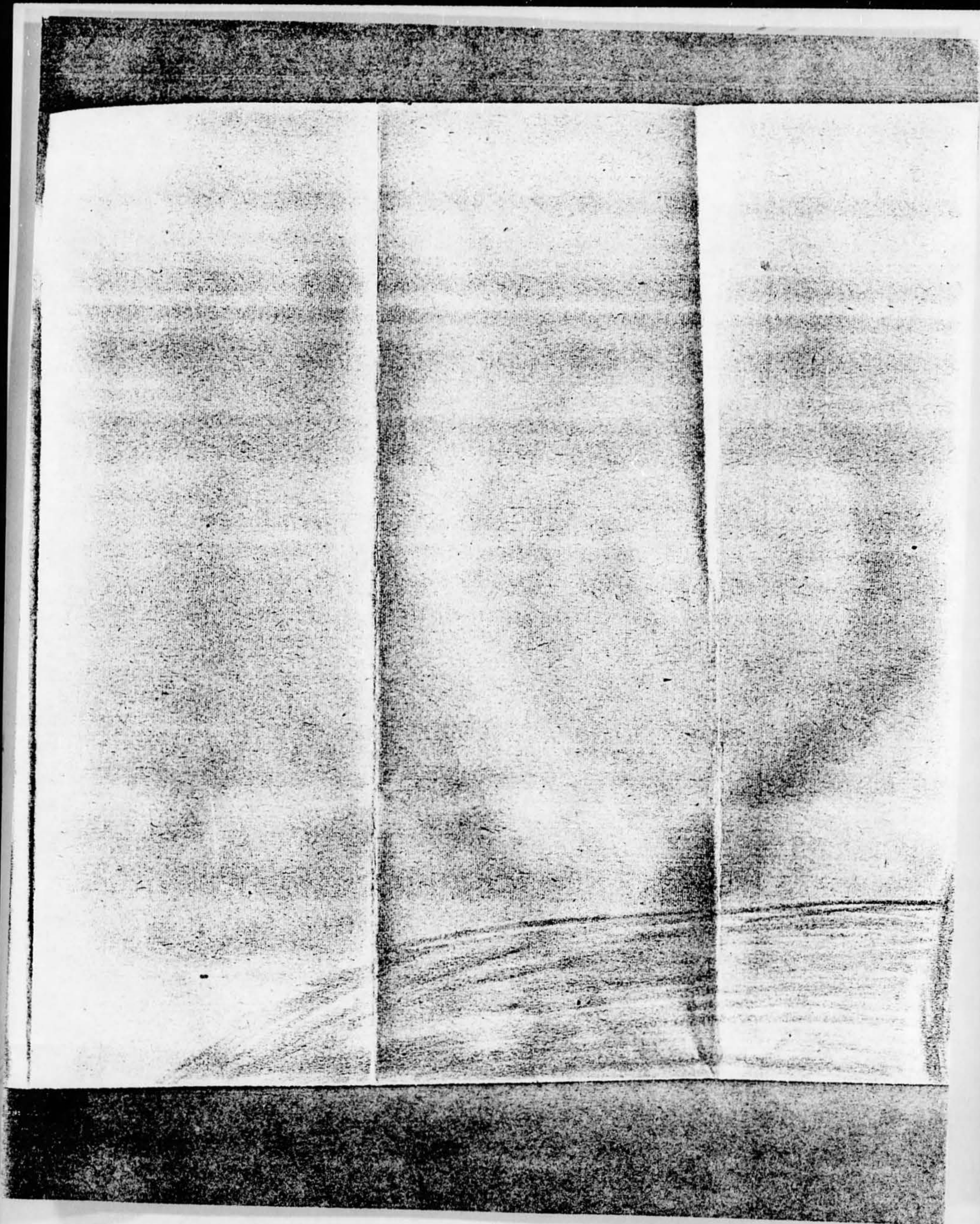
Compiled to ICAO Standards
For ICAO number add 2000 to the chart number.











IBOLS

certain LF/MF facilities such
h are printed in magenta.

The word "Radio" within the box indicates voice facilities.

Communication Station..... **CS**
GOWEN RADIO
4470

Communication Station..... **CS**
KAZAN
5200 CKNX
"No voice"

Broadcasting Station..... **BS**
CFRB
1010

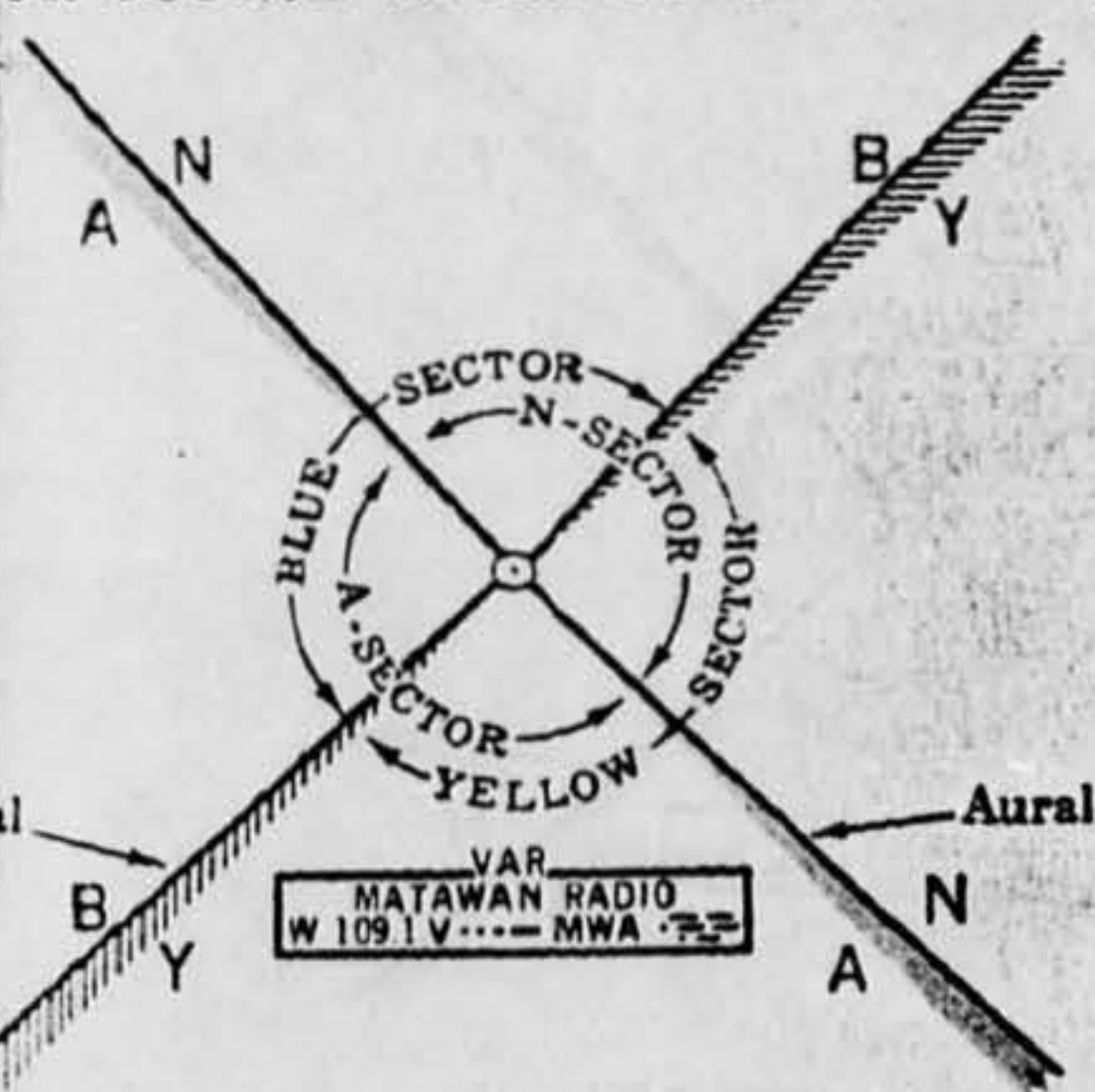
Racon (Racon)..... **RACON**
3256 2-1-2

Marker Beacons..... **100 watts** **NOTT**
 5 watts **BATES**
 DIXIE

271°

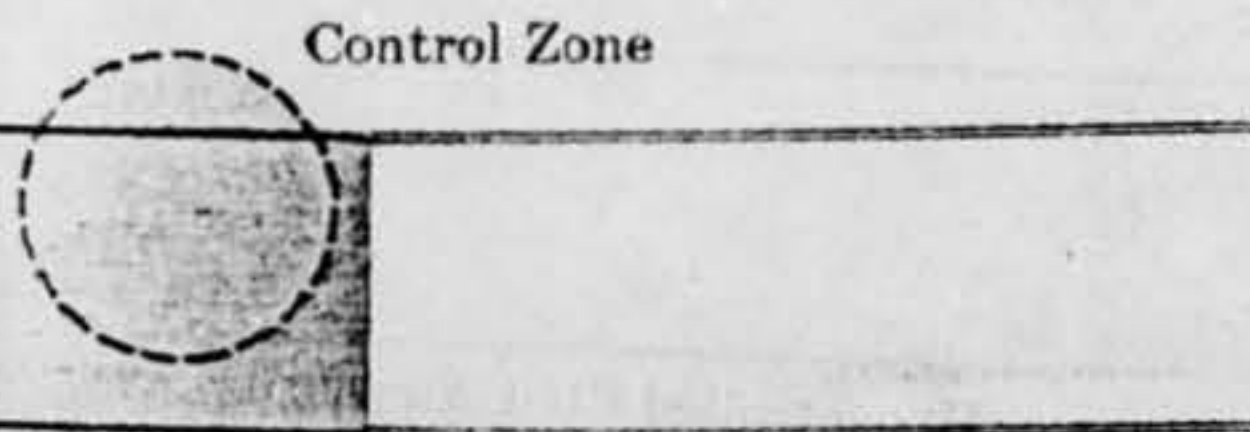
are magnetic and the magnetic
ed for computing them.

OUR COURSE VISUAL-AURAL RANGE (VAR)



Letter preceding frequency in box
indicates channel identification.

ROL



Uncontrolled Civil Airway

only below 27000 feet MSL

TOPOGRAPHICAL SYMBOLS

CITIES AND TOWNS

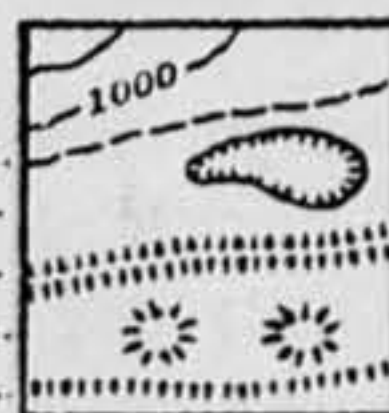
Metropolitan Areas..... **NEW YORK**
Large Cities..... **RICHMOND**
Cities..... **ARLINGTON**
Small Cities..... Freehold
Large Towns..... Corville
Towns & Villages..... Arcola

HIGHWAYS AND

Dual Lane and Super Highways.....
Primary Roads.....
Secondary Roads.....
Trails.....
U. S. Road Markers.....
National, State or
Provincial Road Markers.....
Road Names.....

RELIEF FEATURES

Contours { Reliable.....
Approximate.....
Depression.....
Levees or Eskers.....
Hachures.....
Bluffs, Cliffs & Escarpments.....



Sand { Dunes.....
Areas.....
Ridges.....
Lava Flow.....

HYDROGRAPHIC FEATURES

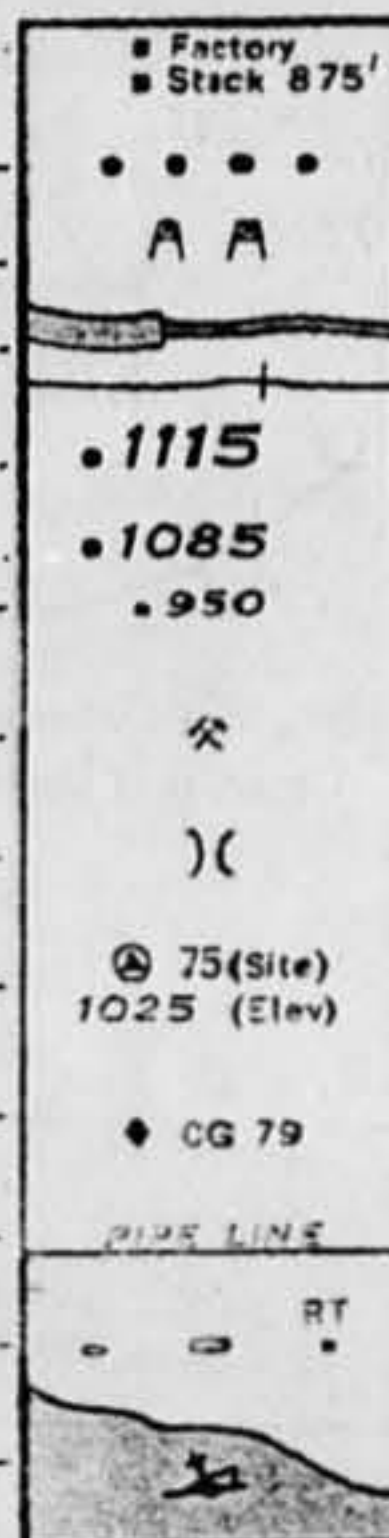
Swamps & Marshes.....
Tidal Flats
(Exposed at low tide).....
Danger Line.....
Rocks Awash.....
Shoals
(Exposed at low tide).....
Springs.....
Wells & Water Holes.....
Reefs, Coral & Rocky Ledges
(Awash at low tide).....



Streams & Rivers { Perennial.....
Intermittent.....
Probable.....
Unsurveyed.....
Braided.....
Intermittent Lakes (blue stipple).....
Drainage Ditches.....
Canals { In use.....
Abandoned.....
Dry Lake Beds (brown stipple).....
Sand Deposits in river bed.....
Dry Washes (brown stipple).....
Glaciers and Ice Caps.....

CULTURAL AND MISCELLANEOUS

Landmarks (with appropriate note).
(Numerals indicate elevation above sea level of top)
Oil Tanks.....
Oil Fields.....
Dams.....
Elevations { Highest on chart.....
(Highest on chart is devoid of tint)
Highest in a general area.....
Spot.....
Mines and Quarries.....
Mountain Passes.....
Lookout Stations (Elevation is base of tower).....
Coast Guard Stations.....
Pipe Lines.....
Race Tracks or Stadiums.....
Stranded Wrecks.....



Boundaries { International.....
State & Provincial.....
Abandoned or
Under Construction.....
Single Track.....
Multiple Track.....
Railroads { Sidings & Spurs.....
Overpass.....
Underpass.....
Bridges { Railroad.....
Highway.....
Tunnels { Railroad.....
Highway.....


AERONAUTICAL SYMBOLS


RADIO FACILITIES

All radio facility data are printed in blue with the exception of certain LF/MF facilities such as tower frequencies, radio ranges and associated airways, which are printed in magenta.


Methods of indicating specific voice and CW calls are shown below


Use of the word "Radio" within the box indicates voice facilities.


Radio Range (With voice) ---  **BALTIMORE RADIO**
257 BAL


Radio Communication Station (With voice) ---  **CS**
GOWEN RADIO
4470

Radio Range (Without voice) ---  **ELGIN**
209 VPS
"No voice"


Radio Communication Station (Without voice) ---  **CS**
KAZAN
5200 CNX
"No voice"

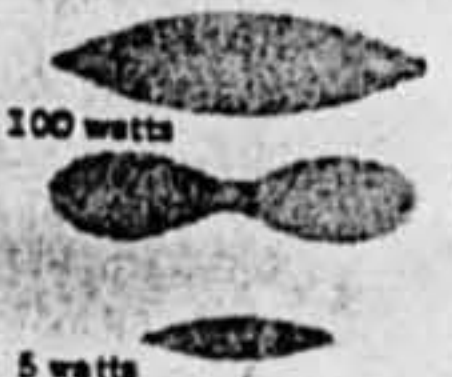
Nondirectional Radiobeacon (With voice) ---  **DOUGLAS RADIO**
251 DGW

Radio Broadcasting Station ---  **BS**
CFRB
1910

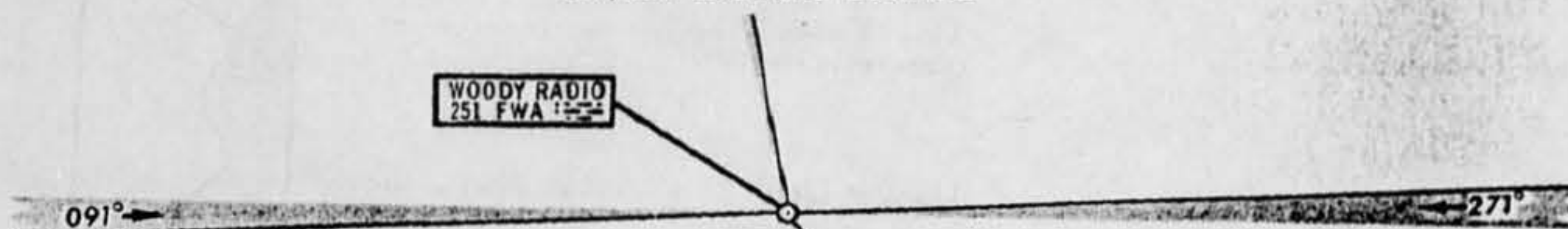
Nondirectional Radiobeacon (Without voice) ---  **DIXIE**
388 DXE
"No voice"

Radar Beacon (Racon) ---  **RACON**
3256 2-1-2

Marine Radiobeacon (Without voice) ---  **RBn**
ASHTABULA
314
0m-10m & 30m-40m

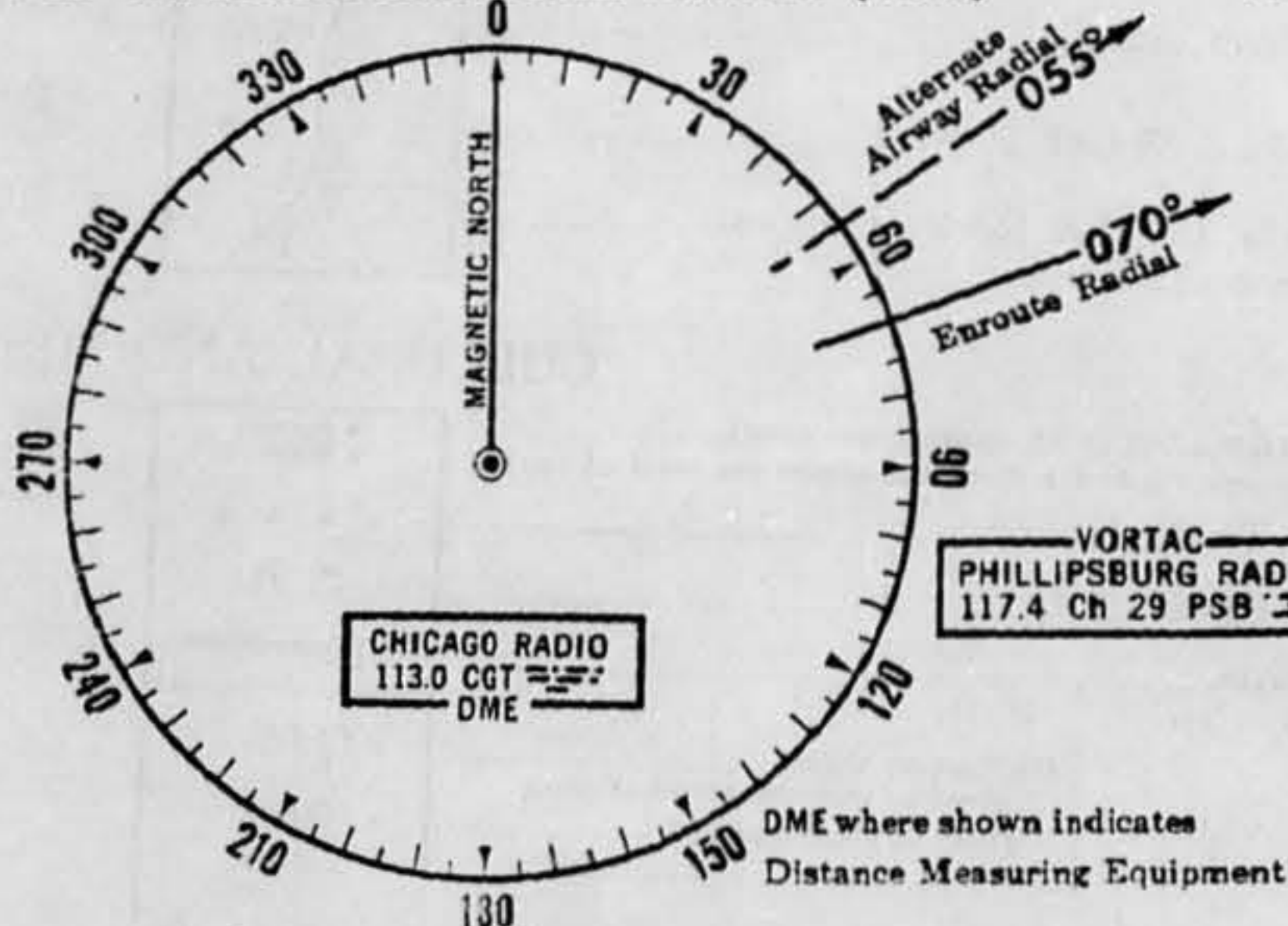
Radio Fan Marker Beacons ---  **NOTT**
100 watts
BATES
5 watts
DIXIE

LF/MF AURAL RANGE



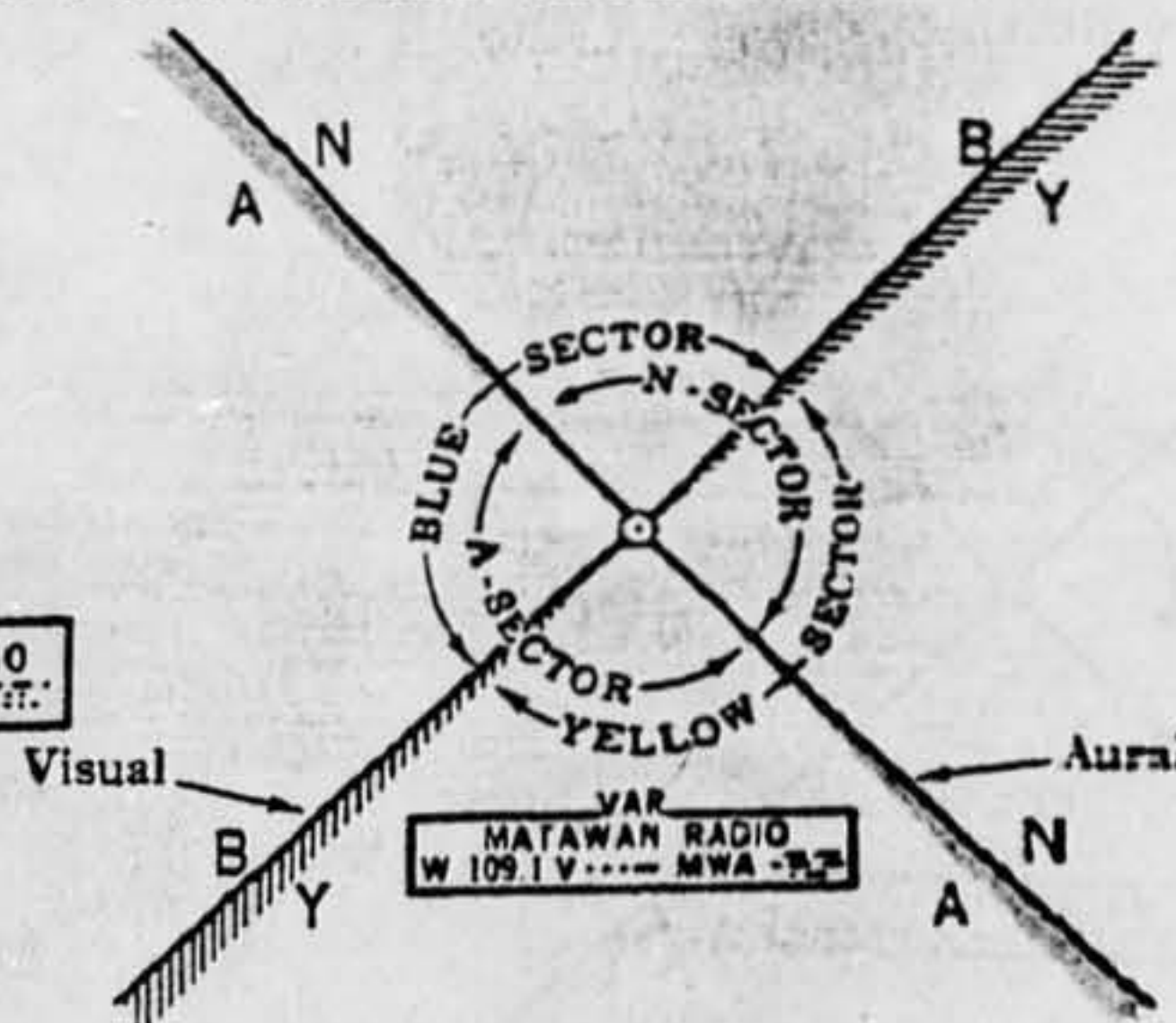
The heavy line indicates the "N" quadrant. The bearings shown are magnetic and the magnetic variation at the position of the ground station is used for computing them.

VHF OMNI-DIRECTIONAL RANGE (VOR)



Bearings are magnetic from the station.
Radius of circle is 15 nautical miles.

VHF FOUR COURSE VISUAL-AURAL RANGE (VAR)



Letter preceding frequency in box indicates channel identification.

AIR TRAFFIC CONTROL

Blue tint where shown indicates controlled airspace

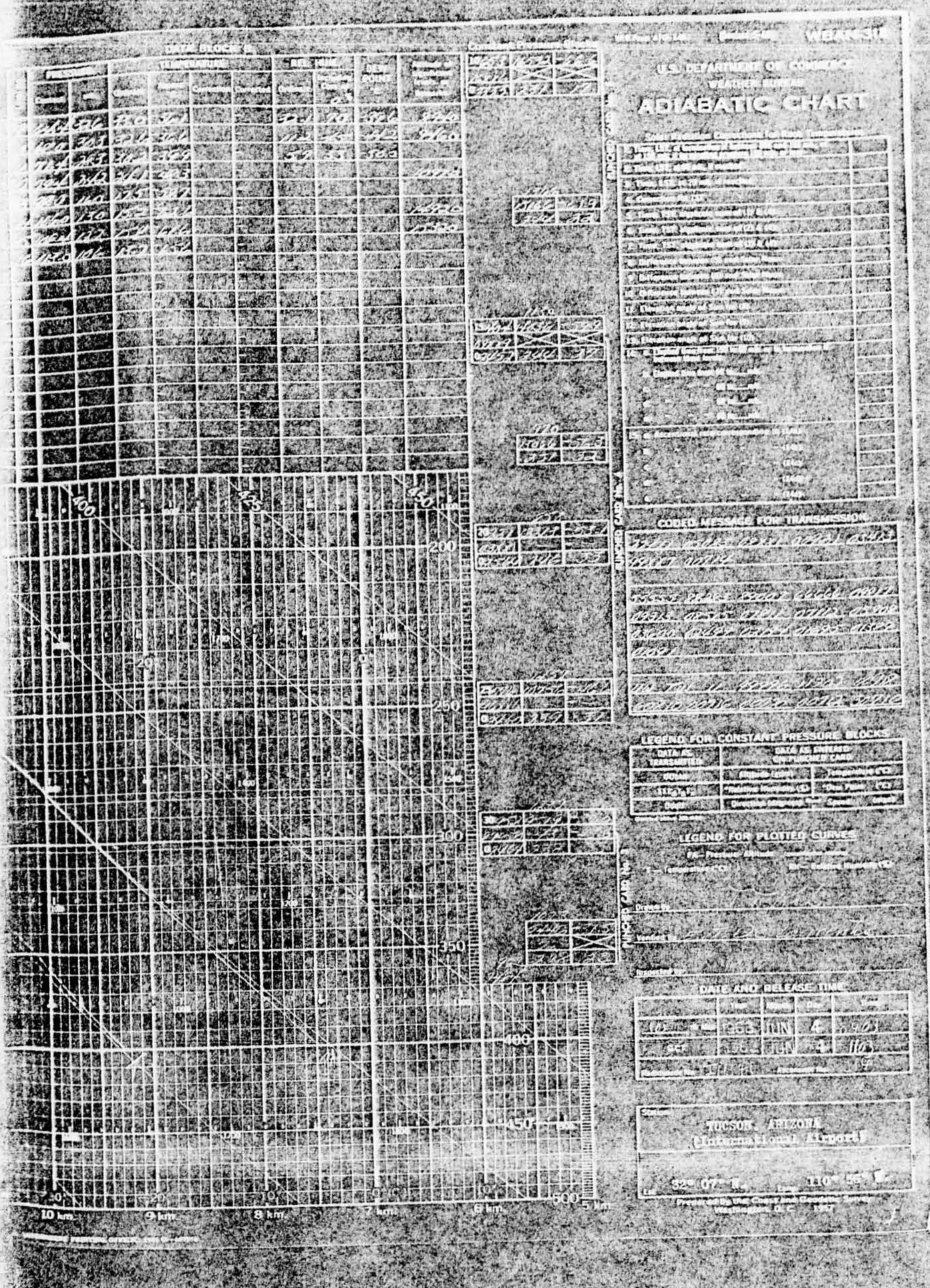
Control Zone

(Within continental U.S. all airspace at and above 24000 feet MSL except prohibited and restricted areas is controlled, and blue tint indicates only controlled airspace below 24000 feet)

Controlled Civil Airway

Uncontrolled Civil Airway

Civil airways within continental U.S. effective only below 27000 feet MSL



U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
ADIABATIC CHART

Pressure (hPa)	Temperature (C)	Temperature (F)	Wet-Bulb (C)	Wet-Bulb (F)	Relative Humidity (%)
1000	10	50	10	50	100
950	10	50	9.5	49	95
900	10	50	9.0	48	90
850	10	50	8.5	47	85
800	10	50	8.0	46	80
750	10	50	7.5	45	75
700	10	50	7.0	44	70
650	10	50	6.5	43	65
600	10	50	6.0	42	60
550	10	50	5.5	41	55
500	10	50	5.0	40	50
450	10	50	4.5	39	45
400	10	50	4.0	38	40
350	10	50	3.5	37	35
300	10	50	3.0	36	30
250	10	50	2.5	35	25
200	10	50	2.0	34	20
150	10	50	1.5	33	15
100	10	50	1.0	32	10

CODE MESSAGE FOR TRANSMISSION

1. Station identification

2. Time of day

3. Pressure

4. Temperature

5. Relative humidity

6. Wind direction and speed

7. Clouds

8. Visibility

9. Other remarks

DATA AS TRANSMITTED	DATA AS RECEIVED
Pressure (hPa)	Pressure (hPa)
Temperature (C)	Temperature (C)
Relative humidity (%)	Relative humidity (%)
Wind direction and speed	Wind direction and speed
Clouds	Clouds
Visibility	Visibility
Other remarks	Other remarks

LEGEND FOR PLOTTED CURVES

1. Dry Adiabatic

2. Saturated Adiabatic

3. Mixing Ratio Lines

4. Relative Humidity Lines

5. Wind Direction and Speed

6. Clouds

7. Visibility

8. Other remarks

DATE AND RELEASE TIME	Station	Observer	Remarks
10 JUN 1965	10000	4	1000
10 JUN 1965	10000	4	1000

100000 Arizona
(International Airport)

100000 Arizona
(International Airport)

100000 Arizona
(International Airport)

AERONAUTICAL SYMBOLS

AERODROMES

Aerodromes with facilities

LAND



WATER



Civil

Joint Civil and Military

Military

Aerodromes with emergency or no facilities

LAND



WATER



Landing Area

Sheltered Anchorage

AERODROME DATA AND LANDING FACILITIES INFORMATION

LAND

WATER

BARGERSVILLE
908 L H 41
Airport of entry
GCA ILS DF
278 119.5 126.18
257.8 122.7G

908 Elevation in feet
L Minimum lighting
H Hard surfaced runway
41 Length of longest runway
in hundreds of feet

00 Elevation in feet
L Minimum lighting
S Normal sheltered take-off area
62 Length of longest runway
in hundreds of feet

NAS ANACOSTIA
00 L S 62
2870

The facility code character is replaced by a dash if specific information is not available or if the facility itself is not available.

GCA ILS
DF
278 119.5 126.18 257.8
122.7G

Controlled approach systems.
Direction finding station.
Control tower transmitting frequencies.
Non-standard tower guarding frequency.

Low or medium tower frequency shown first, followed in order by primary VHF local control, primary military VHF and UHF, and non-standard VHF guarding frequencies.

AIR NAVIGATION LIGHTS

Rotating Light.....★

Rotating Light (With flashing code lights).....★

Rotating Light (With course lights and site number).....12★

Flashing Light.....FI★

Flashing Light (With code).....FI★

Lightship.....

Marine Light.....Occ WRG●

F—Fixed Qk FI—Quick Flashing Occ—Occulting Gp—Group W—White B—Blue SEC—Sector
FI—Flashing IQk FI—Interrupted Quick Flashing Alt—Alternating R—Red G—Green (U)—Unwatched sec—Second

Marine lights are white unless colors are indicated; alternating lights are red and white unless otherwise indicated

MISCELLANEOUS

Obstruction, less than 500 feet above ground.....1219△

Obstruction, 500 feet or higher above ground.....1937△
(Numerals indicate elevation above sea level of top)
(UC: Under construction, position and elevation unverified)

Prominent Transmission Line.....

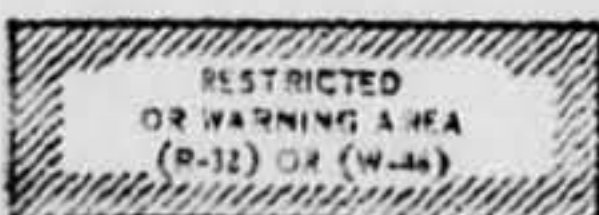
Mooring Mast.....

Isogonic Line.....—4°E—
Values for 1955

Restricted areas are numbered, and are indicated on the charts as follows:



Prohibited Area — Flight of aircraft prohibited except by specific authority of using agency



Restricted or Warning Area — Invisible hazards to air navigation



Caution Area — Visible hazards to air navigation

Reporting Point (Compulsory).....△

Reporting Point (Non-compulsory).....△

Ocean Station Vessel (Normal position).....

International Boundary.....
(Closed to passage of aircraft except through air corridor)

Methods

Radio Ra
(With voice)

Radio Ra
(Without voice)

Nondirect
(With voice)

Nondirect
(Without voice)

Marine Light
(Without voice)

VHF

Aero
LAND



BARGERSVILLE
908 L H 4
Airport of Int.
GCA ILS D
278 119 5 12
257 8 122.7

Rotating Li
Rotating Li
Rotating Li
Flashing Li

F—Fixed
Fl—Flashing
Me

U. S. PROHIBITED, RESTRICTED, CAUTION, AND WARNING AREAS ON WORLD AERONAUTICAL CHART 405

NO.	NAME	ACTIVITY	CONTROLLING AGENCY	ALTITUDE	TIME
R-304	Chocolate Mountains	Aerial Gunnery	Flt. Air Det., El Centro, Calif.	Unltd.	Unltd.
C-308	Gila Bend	Jet training and acrobatics	Luke AFB, Phoenix, Ariz.	4,000-45,000	0800-2200 Mon. thru Friday
R-309	Ajo	Bombing, Aerial Gunnery and Rocket Firing	AFTRC, Luke AFB, Ariz. and ADC, Yuma County Arpt., Ariz.	Unltd.	Unltd.
R-310	Sahuarita	Bombing	Davis-Monthan AFB, Ariz.	Unltd.	Days
R-314	Sand Hills	Aerial Gunnery, Bombing, Rocketry	11th Naval District	Unltd.	Unltd.
R-382	Yuma	Research, Development and Test Firing of Various Weapons and Ammunition Types	Yuma Test Station, Yuma, Arizona	To 50,000	Unltd.
R-398	Gila Bend	Air-to-Air & Air-to-Ground Gunnery	Luke AFB, Ariz.	Unltd.	Unltd.
R-495	Flagstaff	Demolition of Ammunition	Navajo Ordnance Depot	To 11,000	0800-2400 Mon. thru Sat.
R-501	Gila Bend No. 2	Air-to-Ground Gunnery and LABS	Luke AFB, Ariz.	Unltd.	Unltd.

Obstruction

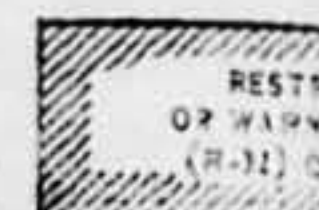
Obstruction
(Numerals in
(UC: Under

Prominent

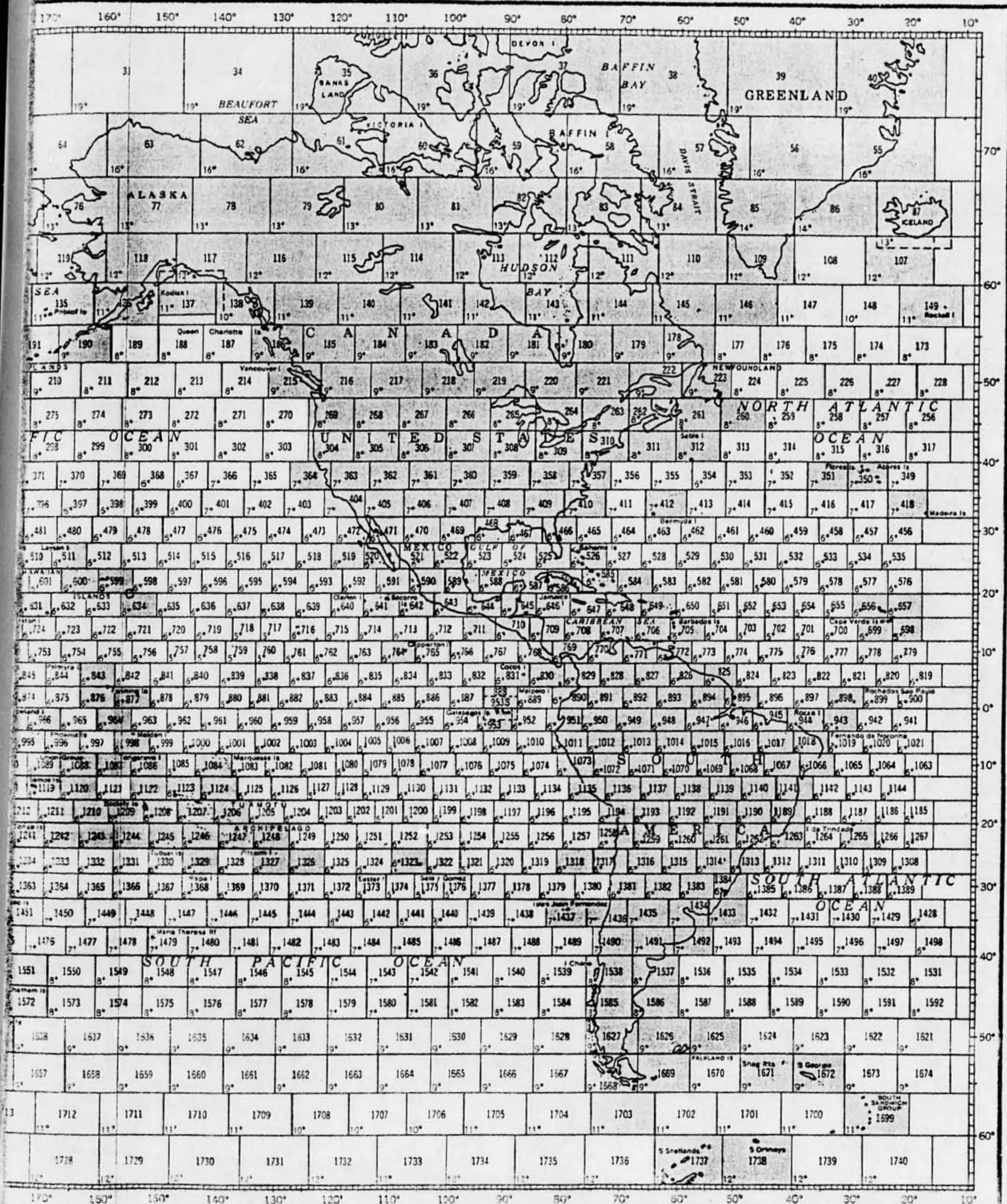
Mooring M

Isogonic Li

Restricted :



Altitude given in feet. P - Prohibited R - Restricted C - Caution W - Warning 3.4.58
Unauthorized flight is not permitted within a Prohibited Area, or within a Restricted Area during the time of use and between the altitudes noted
in the tabulation (Authorization may be granted by the controlling agency or by Executive Order of the President).
Flight within Caution Areas is not restricted, but pilots are advised to exercise extreme caution.



Charts published ☐

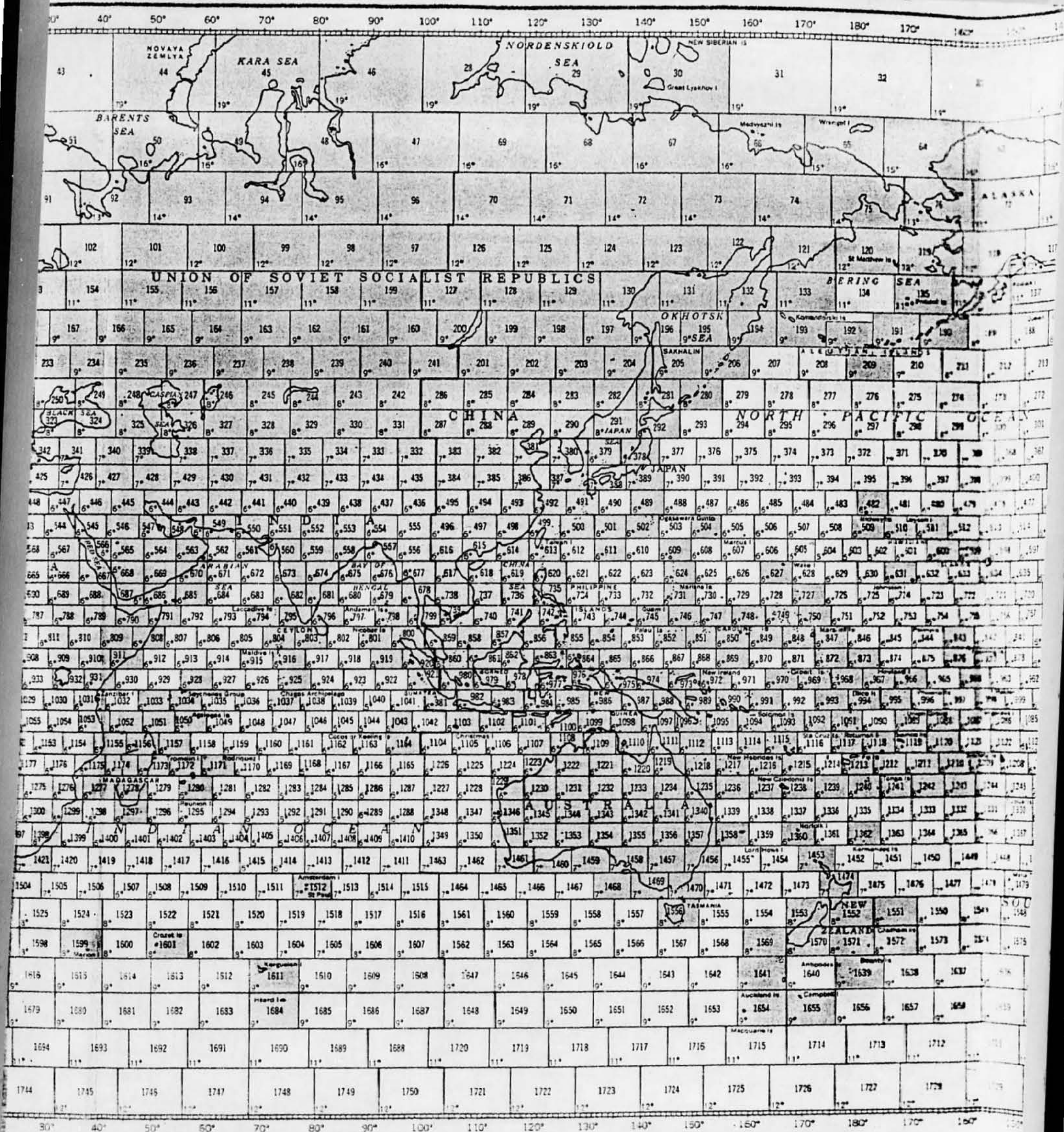
Charts not published ☐

UNIVERSAL WATER CHARTS

Universal Water Charts (Scale 1:1,000,000; size 29 x 22 inches) covering 4° of lat. have been published for use in place of the World Aeronautical Charts in water areas. The user must insert the appropriate long. values for the particular area desired. Water tint is printed within the normal geographical limits and the chart is designed for use in both north and south latitudes.

NOTE: Requisition these charts by name and latitude interval.

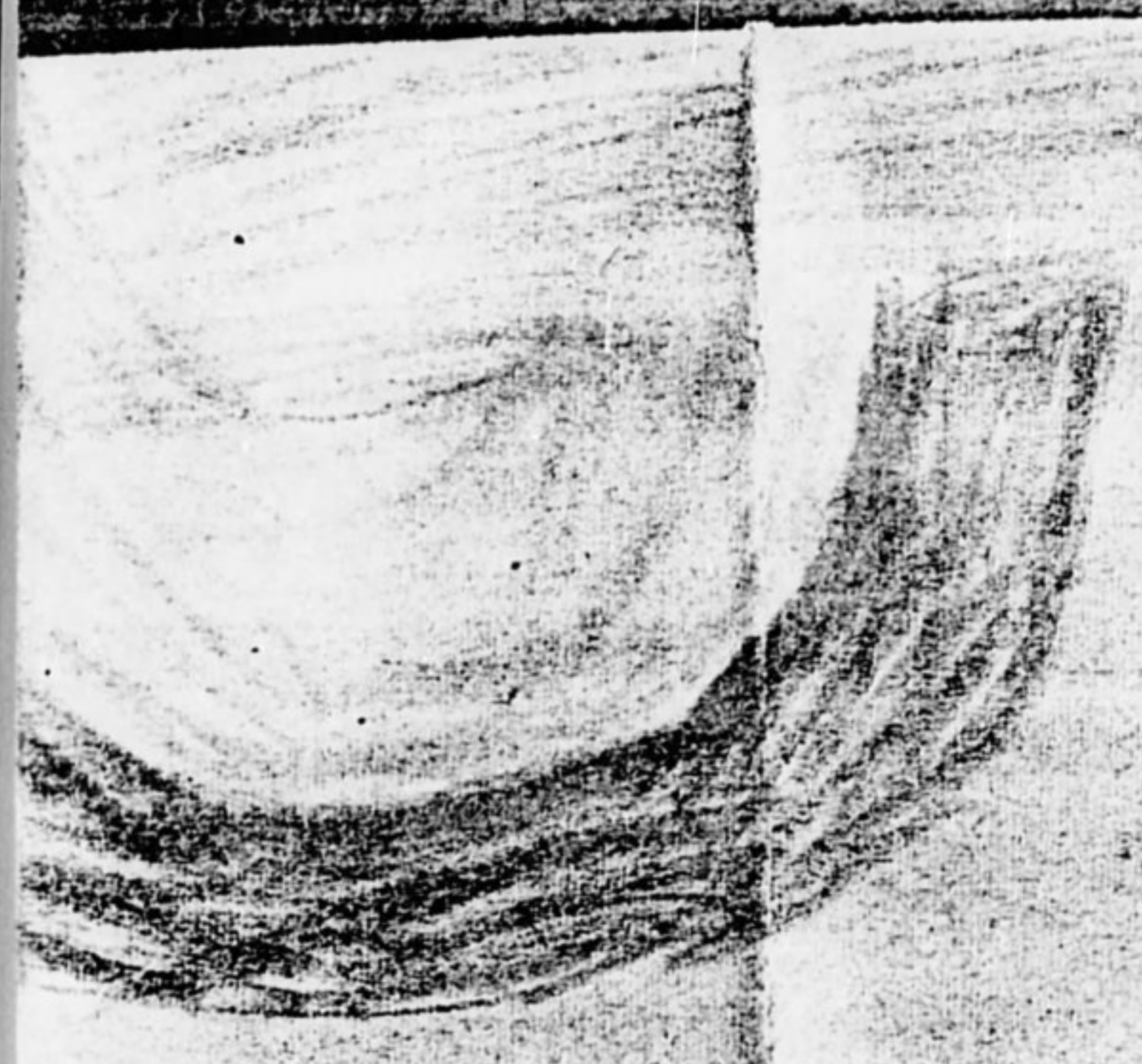
Example: WAC-225 would be **WATER-48/52**




WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

Y MY 14 YR OLD SON A FEW
WATCHING IT. IT IS A VERY
AYS WOULD HIT THE WHIRLING
ENTRAL PART WOULD BE IN A
OUR EYES AND WOULD BE
OVER THIS DRAWING THE
WAS A LITTLE BIT LARGER



THIS DRAWING WAS DONE BY MY 14 YR OLD S
NOTES AFTER WE GOT THROUGH WATCHING IT. IT
GOOD LIKENESS, WHEN THE SUNS RAYS WOULD HIT IT.
CENTRAL PART. SOMETIMES THE CENTRAL PART WOULD
EXACT PERPENDICULAR POSITION TO OUR EYES AND
THIS  THE ONLY IMPROVEMENT OVER THIS DRAWING
WAS - IS THAT THE WHIRLING PART WAS A LITTLE BIT L
ITS EXACT CENTER.

HE LOOKED LIKE AN

AT SATURN TURNED UP ON

ELONGATED INTO A
WAS ALWAYS PARALLEL

MINDED ME OF THE DRAGON


USED TO CALL THEM. IT

SHOOT OFF IN ANY

SIDEWAYS, CROSSWAYS OR

IN THE SAME GENERAL

TES.

THIS DI
MINUTES AFTE
GOOD LIKENESS
CENTRAL. PAR
EXACT PERPE
THIS  7
OFFER. IS TH
ITS EX

AS I MENTIONED THIS FLYING MACHINE LOOKED LIKE
ASTRONOMERS PICTURE OF THE PLANET SATURN TO
ITS EDGE AND THE CENTRAL PART ELONGATED
CIGAR SHAPE. THE CIGAR SHAPE WAS ALWAYS
WITH THE GROUND

ITS FLIGHT PATTERN ALSO REMINDED ME
FLY OR "DARNING NEEDLE" AS WE USED TO CALL
WOULD SEEMINGLY HOVER AND THEN SHOOT OFF
MISCELLANEOUS DIRECTION, UP, DOWN, SIDEWAYS,
ANY OTHER DIRECTION. IT STAYED IN THE SAME
AREA FOR ABOUT 20 to 25 MINUTES.

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
Air Weather Service (MATS)
Asheville, North Carolina

REPLY TO
ATTN OF: CCDDPD

SUBJECT: Upper Air Data for Mesa, Arizona

11 July 1963

TO: Aerospace Technical Intelligence Center/TDE
Foreign Data Division (Sgt. Moody)
Wright-Patterson AFB, Ohio

1. Reference: Your telephone request 1045 EST on 10 Jul 63.
2. We are sending two photocopies of rawinsonde observations (WBAN-31) taken at Tucson, Arizona WBAS on 4, 5, and 6 June 1963. Tucson is the closest station to Mesa, Arizona, taking rawinsonde observations.

FOR THE DIRECTOR

Richard L. Hoke

RICHARD L. HOKE
2nd Lt., USAF
Administrative Officer

Atch
2 sets photocopies
as listed above

One Copy of each chart sent to Dr Hynek 25 July 1963

D. Moody
D. Moody T/Sgt

ADIABATIC CHART

[illegible]